

TEST & INSPECTION REPORT IN ACCORDANCE WITH CSA B620/49CFR

FACILITY INFORMATION

Dandy Oil Products Ltd.
15 Challenger Crescent
Sherwood Park, AB T8H 2J6
☎ 780-452-1104

Test Date: May 16 2023
Unit #: 401
Work Order #

TDG Registration #25.0960

Next Inspection Date: May 2024 VK

TANK OWNER INFORMATION

Company Name Dandy Oil Products Ltd.
Street Address 15630 118th Avenue
City & PC Edmonton | T5V 1C4

Phone: 780-452-1104
Cell:
Fax: 780-451-3270

TANK DATA

Tank Spec: TC 406
Manufacturer: Columbia Remtec Manufacturing
Tank Serial #: 14314
Truck Serial #: 2C9LEA2S861026064
Design Pressure: 21kpa MAWP

CRN/TCRN Reg #: MDIN-23304172
Prov. Reg. #:
Manufacture Date: 04/2006
Original Test Date: 04/2006
Certification Date: 05/2010
Modification Date:

Surface Area: 85.52 M2
PSV Set Pressure: 3.63 PSI
PSV Capacity: 494084 SCFH @ 6.25 psi

Last Pressure Test Date: 05/2021
Capacity C1: 14,000 Litres
Capacity C2: 5,000 Litres
Capacity C3: 14,000 Litres
Capacity C4: N/A
Capacity C5: N/A

Req. PSV Capacity:
Tank Constructed of: ☐ QT ☐ NQT
☒ Other: Aluminum

Tank Material: Shell 5454 H32
Tank Material: Head: 5454 O
Material Thickness:

Shell:	4.394mm
Head:	5.575mm
Shell T:	4.394mm
Head FH:	5.575mm
B:	5.575mm
RH:	5.575mm

Tank Stress Relieved: ☐ Yes ☒ No

TEST PERFORMED

☒ "V" ☒ "K" ☐ "I" ☐ "K" ☐ "U/C" ☐ "T" ☐ "L" ☐ "V/R"

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EXTERNAL VISUAL INSPECTION "V" <input type="checkbox"/> NA (this inspection is not applicable)				
Item Inspected	QC Manual	NA	Complies	Reject
Date plate, present and legible	12.1.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shell & Heads, corrosion, abrasion, dents, overlay, patches, leaks	12.1.4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Structural members, outriggers, cross members, etc.	12.1.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Piping and valves for leakage, damage, corrosion	12.1.7	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Remote closures, thermal devices	12.1.7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tank attachments to frame or running gear	12.1.8	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hoses for defects, identification, and test dates	12.1.9	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ladders, walkways, etc.	12.1.10	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fill covers, manways, and closure devices	12.1.11	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Relief valves and vents (replace or test if tank in service where lading corrosive to relief device)	12.1.12	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bumpers or devices correct height & width	12.1.13	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accident damage protection	12.1.14	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gaskets on full opening rear heads for damage or cuts	12.1.15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Placards – 4 sides		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Note: Rejection Criteria for External Inspections

Tanks shall be rejected when any of the following defects are found during an external inspection:

- Less than the minimum thickness remaining under a cut, dig, or gouge;
- Any dent with a depth of more than 12.7 mm (0.5 in) where it includes a weld;
- Any dent with a depth of greater than 10% of the length of the dent;
- Any weld defect, including a crack, pinhole, or incomplete fusion of the weld;
- Any structural defect;
- Any source of leakage; or
- Repairs made to liquid-retaining components using overlay patches

INTERNAL VISUAL INSPECTION "I" <input checked="" type="checkbox"/> NA (this inspection is not applicable)			
Item Inspected	QC Manual	Complies	Reject
Interior surface, corrosion, distortion, overlay patches, cracking	12.2.2	<input type="checkbox"/>	<input type="checkbox"/>
Interior welds for defects, cracking, etc.	12.2.3	<input type="checkbox"/>	<input type="checkbox"/>
Interior supports and attachments	12.2.4	<input type="checkbox"/>	<input type="checkbox"/>
Internal valves, piping and vents for leakage, damage, etc.	12.2.4	<input type="checkbox"/>	<input type="checkbox"/>
Vessel wiped down & cleaned prior to exiting		<input type="checkbox"/>	<input type="checkbox"/>

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LINING INSPECTION

☒ NA (this inspection is not applicable)

QC Manual Reference 12.6

Lining Type: Elastomeric

Visual Inspection of Liner

☐ Yes

Type:

☐ No

Calibration of Spark Tester

☐ Complies

☐ Reject

Spark Test of Lining

☐ Complies

☐ Reject

Lining Type: Other

Visual Inspection of Liner

☐ Complies

☐ Reject

☐ No

If defects found: tank shell inspected in area of defect: ☐ Yes ☐ No ☐ NA

THICKNESS TEST

☒ NA (this inspection is not applicable)

QC Manual Reference 12.5

Last test conducted on:

Date:

Material Specification

Shell:

Head

Min. in service thickness req.

Shell T:

Head FH:

Min. thickness measured

B:

RH:

Organization conducting test:

Shell T:

Head FH:

B:

RH:

Report complete and on file: ☐ Yes ☐ No

PRESSURE TEST "P"

☒ NA (this inspection is not applicable)

LEAK TEST "K"

☐ NA (this inspection is not applicable)

Refer to table 7.3 of current B620 for appropriate test pressure

QC Manual Reference 12.4

Test pressure tank

Test pressure piping

Test medium

(80% MAWP Min)

QC Manual Reference 12.3

Leak test pressure

2.7 PSI

(80% MAWP Min)

Test medium

Air/Lading

Test duration

5

Minutes

Compartment 1 ☒ Pass ☐ Fail

ISC Valve ☒ Pass ☐ Fail

Piping ☒ Pass ☐ Fail

Compartment 2 ☒ Pass ☐ Fail

☒ Pass ☐ Fail

☒ Pass ☐ Fail

Compartment 3 ☒ Pass ☐ Fail

☒ Pass ☐ Fail

☒ Pass ☐ Fail

Compartment 4 ☐ Pass ☐ Fail

☐ Pass ☐ Fail

☐ Pass ☐ Fail

Compartment 5 ☐ Pass ☐ Fail

☐ Pass ☐ Fail

☐ Pass ☐ Fail

If failed, see defects and methods of repair

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DEFECTS & METHODS OF REPAIR			
Defective Equipment	Defect	Reg. #	Method of Repair
Compartment 2 PPV	Opened too late		Replace PPV
Compartment 3 PPV	Opened too late		Replace PPV
Hoses	Expired Certification		Sent to Gregg Distributors for test and Re-certification

Stress relieved after repair: ☐ Yes ☐ Full ☐ Local ☐ No ☒ NA


Equipment has been repaired, retested, and is recertified to return to service:

Inspector Signature: Date: 2023-05-16

UPPER COUPLER INSPECTION "U/C"	
QC Manual Reference 12.1.5 & 12.1.6	<input checked="" type="checkbox"/> NA (this inspection is not applicable)
Upper coupler removed from tank and inspected (including tank areas)	<input type="checkbox"/> NA <input type="checkbox"/> Complies <input type="checkbox"/> Reject
Upper coupler inspected in place (no markings)	<input type="checkbox"/> NA <input type="checkbox"/> Complies <input type="checkbox"/> Reject

COMMENTS

Tank Disposition	<input checked="" type="checkbox"/> Returned to Service <input type="checkbox"/> Removed from Service
Tank Markings Applied	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
QC Manual Reference Section 13	
Cargo Tank	<input checked="" type="checkbox"/> Meets requirements of specification identified on this report <input type="checkbox"/> Fails to meet requirements of specifications identified on this report

Acknowledgement & Acceptance of Inspection Report		
		2023-05-16
Owner/Operator Jeff Whitney	Signature 	Date

The tank fittings, valves, piping, and protective devices comply with Regulations of the current B620/49CFR at the time of this inspection.

		2023-05-16
Inspector Stewart Durdie	Signature 	Date

DANDY OIL PRODUCT LTD.15630 118th Avenue

Edmonton, AB T5V 1C4

☎ 780-452-1104 | www.dandyoil.com

Overfill System Inspection

This document certifies that the following unit(s) overfill protection system has been checked over and complies with OEM specifications:

Unit # 401
VIN # 2C9LEA2S861026064

Unit Type: ☐ Body Tank
☒ Trailer

Make: Columbia Remtec
Model: Tank
Year: 2006

Compartment 1			Compartment 2		
Inspection Plate Compartment Size	<u>14,000</u>	Lts	Inspection Plate Compartment Size	<u>5,000</u>	Lts
Compartment Safe Fill (Tunnel) Marking	<u>13,500</u>	Lts	Compartment Safe Fill (Tunnel) Marking	<u>4,750</u>	Lts
Head Space	<input type="checkbox"/> 250	<input checked="" type="checkbox"/> 3%	Head Space	<input checked="" type="checkbox"/> 250	<input type="checkbox"/> 3%
Sensor Height		Inches	Sensor Height		Inches
Wet Tested in Series	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	Wet Tested in Series	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail

Compartment 3			Compartment 4		
Inspection Plate Compartment Size	<u>14,000</u>	Lts	Inspection Plate Compartment Size	<u>N/A</u>	Lts
Compartment Safe Fill (Tunnel) Marking	<u>13,500</u>	Lts	Compartment Safe Fill (Tunnel) Marking	<u>N/A</u>	Lts
Head Space	<input type="checkbox"/> 250	<input checked="" type="checkbox"/> 3%	Head Space	<input type="checkbox"/> 250	<input type="checkbox"/> 3%
Sensor Height		Inches	Sensor Height	<u>N/A</u>	Inches
Wet Tested in Series	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	Wet Tested in Series	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail

Compartment 5			Compartment 6		
Inspection Plate Compartment Size	<u>N/A</u>	Lts	Inspection Plate Compartment Size	<u>N/A</u>	Lts
Compartment Safe Fill (Tunnel) Marking	<u>N/A</u>	Lts	Compartment Safe Fill (Tunnel) Marking	<u>N/A</u>	Lts
Head Space	<input type="checkbox"/> 250	<input type="checkbox"/> 3%	Head Space	<input type="checkbox"/> 250	<input type="checkbox"/> 3%
Sensor Height	<u>N/A</u>	Inches	Sensor Height	<u>N/A</u>	Inches
Wet Tested in Series	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	Wet Tested in Series	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail

Number of Scully Connections (Plug-Ins): 1

Notes/Remarks:

Test Date: 16-May-2023
Expiry Date: 31-May-2024
Mechanic's Name: Stewart Durdle
Signature: 