

# **OIL ANALYSIS REPORT**

# Sample Rating Trend

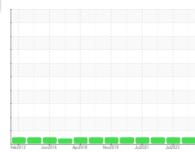
# **NORMAL**

# Expansion Bulk Silo Tanks

[Expansion Bulk Silo Tanks] TA-86007 TA-86007 - SILO 7

Gearbox

PETRO CANADA PURITY FG SYN GEAR ISO 220 (20 GAL)





## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SO 220 (20 GAL)	)	Feb2013	Jun 2016 Apr 2018	Nov2019 Jul2021 Ju	uI2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0093716	PCA0098857	PCA0077244
Sample Date		Client Info		29 Dec 2023	11 Jul 2023	15 Jan 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
PQ		ASTM D8184		12	12	6
Iron	ppm	ASTM D5185m	>200	2	2	2
Chromium	ppm	ASTM D5185m	>15	<1	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	<1	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	<1	0	0
Tin	ppm	ASTM D5185m	>25	<1	0	<1
Antimony	ppm	ASTM D5185m	>5			
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		0	6	0
Phosphorus	ppm	ASTM D5185m		566	626	577
Zinc	ppm	ASTM D5185m		7	5	12
Sulfur	ppm	ASTM D5185m		460	618	392
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	16	6	7
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	<1	0	0
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
A -!-! NI ! (ANI)	1/011/	4 OT1 4 D00 45	0.40	0.50	0.00	0.00

0.66

0.56

Acid Number (AN) mg KOH/g ASTM D8045 0.42

0.63



# **OIL ANALYSIS REPORT**







Certificate L2367

Sample No. Lab Number

**Unique Number** 

Laboratory

: PCA0093716 : 06069639

Viscosity @ 40°C

500

100

cSt (40°C)

: 10846316

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 24 Jan 2024 Recieved : 25 Jan 2024

Jul21/21

Jul11/23

Feb12/1

(mg KOH/g)

0.40

0.00 G

Acid Number

Diagnosed : Wes Davis

Diagnostician

Test Package : IND 2 (Additional Tests: PQ)

To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

# THE HERSHEY COMPANY

Jul21/21

WEST HERSHEY - TECHNICAL ASSURANCE, 1033 OLDE WEST CHOCOLATE

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