



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[25161]
 Machine Id
17-57
 Component
Pump
 Fluid

PETRO CANADA SYNDURO SHB ISO 220 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0941355	WC0895483	WC0794650
Sample Date		Client Info		24 Jun 2024	11 Apr 2024	01 May 2023
Machine Age	kms	Client Info		232807	0	0
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	ATTENTION	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	11	14	38
Chromium	ppm	ASTM D5185(m)	>7	0	0	<1
Nickel	ppm	ASTM D5185(m)		<1	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	3	3	13
Lead	ppm	ASTM D5185(m)	>35	0	<1	<1
Copper	ppm	ASTM D5185(m)	>50	<1	<1	1
Tin	ppm	ASTM D5185(m)	>5	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

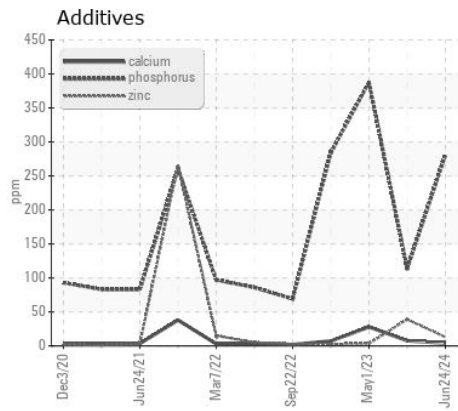
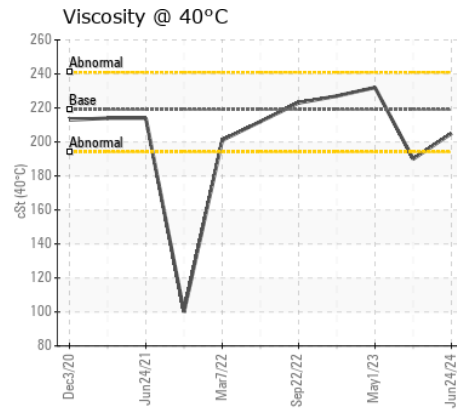
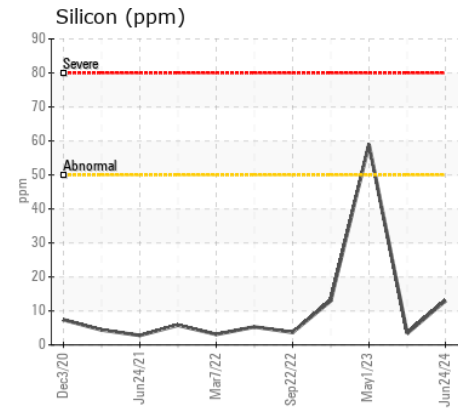
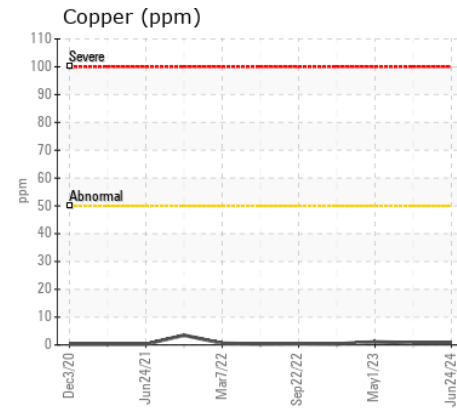
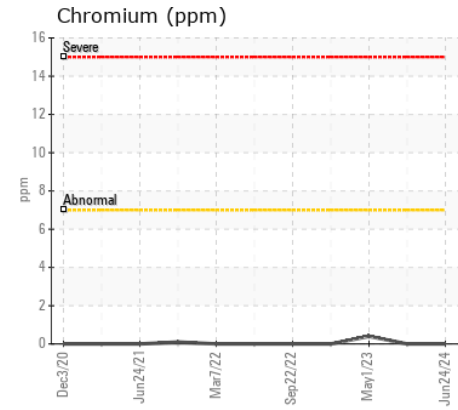
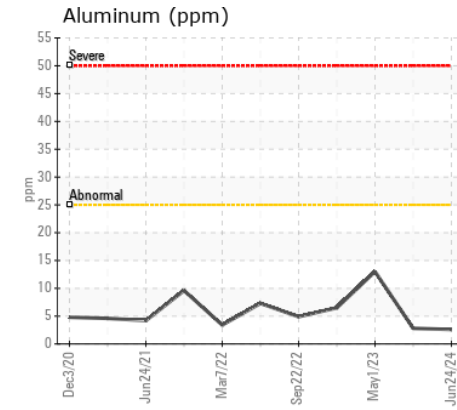
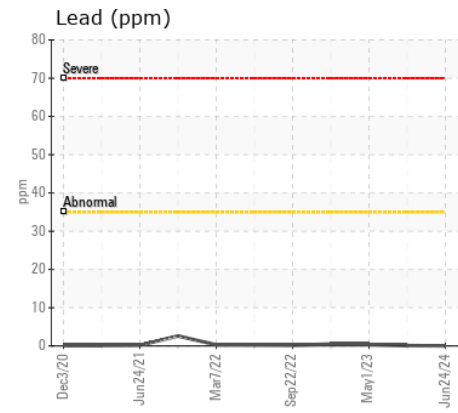
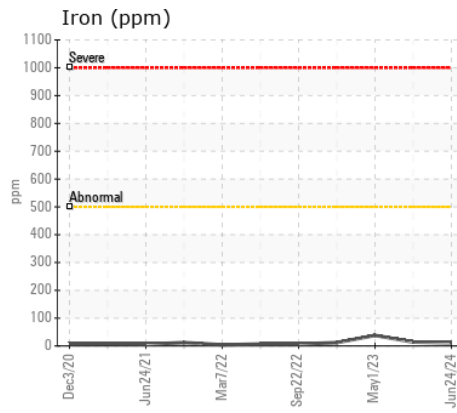
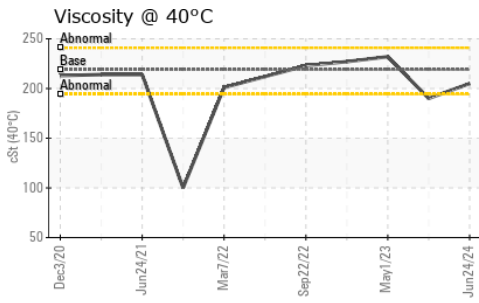
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	13	3	▲ 59
Potassium	ppm	ASTM D5185(m)	>20	<1	0	3
Water		WC Method	>.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	LIGHT
Debris	scalar	Visual*	NONE	NONE	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	▲ LAYRD
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>.1	NEG	NEG	1%

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<1	<1	3
Boron	ppm	ASTM D5185(m)		<1	<1	<1
Barium	ppm	ASTM D5185(m)	5.0	0	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)	5.0	<1	<1	7
Calcium	ppm	ASTM D5185(m)	5.0	4	8	28
Phosphorus	ppm	ASTM D5185(m)	100	281	114	388
Zinc	ppm	ASTM D5185(m)	5.0	13	● 39	3
Sulfur	ppm	ASTM D5185(m)	1900	1293	● 3153	230
Visc @ 40°C	cSt	ASTM D7279(m)	219	205	190	232



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0941355
Lab Number : 02644242
Unique Number : 5801781
Test Package : MOB 1
Received : 26 Jun 2024
Tested : 26 Jun 2024
Diagnosed : 26 Jun 2024 - Wes Davis

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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