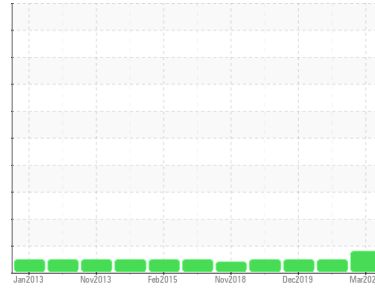




Machine Id
TORQUE MASTER L-9 BASE DISTRIBUTION

Component
Gearbox

Fluid
PETRO CANADA ENDURATEX EP 460 (--- GAL)



DIAGNOSIS

- Recommendation**
 No corrective action is recommended at this time. Resample at the next service interval to monitor.
- Wear**
 An increase in the iron level is noted. All other component wear rates are normal.
- Contamination**
 There is no indication of any contamination in the oil.
- Fluid Condition**
 The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info	PCA0119626	PCA0030530	PCA0012648
Sample Date	Client Info	08 Mar 2024	28 Oct 2021	09 Dec 2019
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ATTENTION	NORMAL	NORMAL

CONTAMINATION method limit/base current history1 history2

Water	WC Method	>0.2	NEG	NEG	NEG
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WEAR METALS method limit/base current history1 history2

Iron	ppm	ASTM D5185m	>200	115	3	2
Chromium	ppm	ASTM D5185m	>15	1	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>100	2	0	0
Copper	ppm	ASTM D5185m	>200	2	<1	<1
Tin	ppm	ASTM D5185m	>25	0	0	0
Antimony	ppm	ASTM D5185m	>5	---	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES method limit/base current history1 history2

Boron	ppm	ASTM D5185m	55	13	35	43
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1	0
Manganese	ppm	ASTM D5185m	0	<1	0	0
Magnesium	ppm	ASTM D5185m	2	0	0	0
Calcium	ppm	ASTM D5185m	6	0	0	<1
Phosphorus	ppm	ASTM D5185m	240	217	209	207
Zinc	ppm	ASTM D5185m	3	2	0	4
Sulfur	ppm	ASTM D5185m	10310	7605	5040	13177

CONTAMINANTS method limit/base current history1 history2

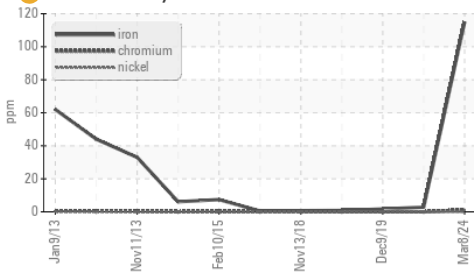
Silicon	ppm	ASTM D5185m	>50	1	1	<1
Sodium	ppm	ASTM D5185m		<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0

FLUID DEGRADATION method limit/base current history1 history2

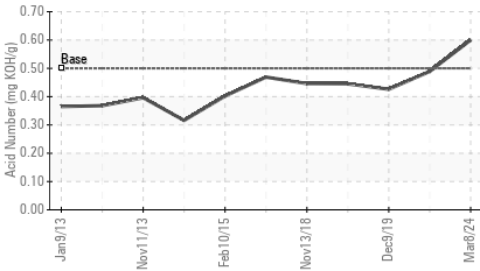
Acid Number (AN)	mg KOH/g	ASTM D8045	0.5	0.60	0.489	0.426
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OIL ANALYSIS REPORT

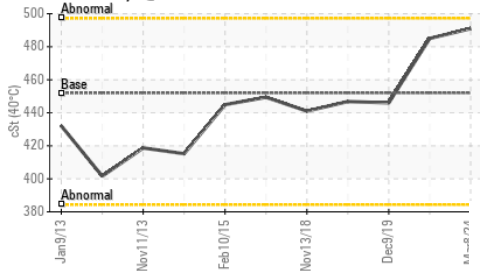
● Ferrous Alloys



Acid Number



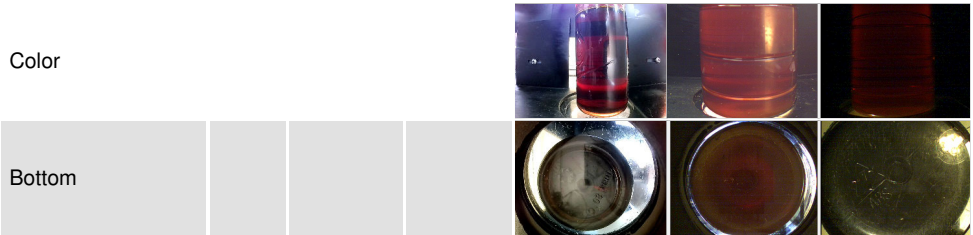
Viscosity @ 40°C



PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

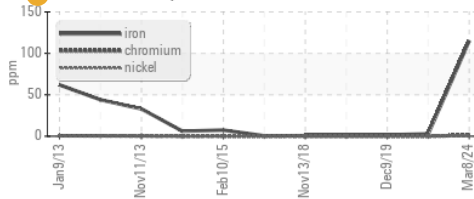
PARAMETER	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	452	491	485

PARAMETER	method	limit/base	current	history1	history2
Color					
Bottom					

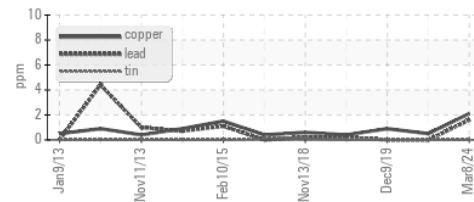


GRAPHS

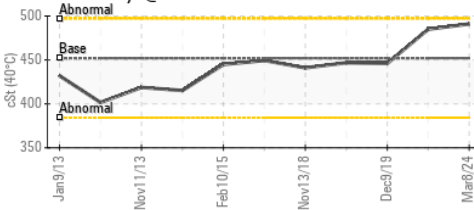
● Ferrous Alloys



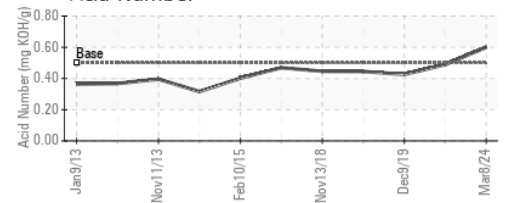
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0119626
Lab Number : 06120265
Unique Number : 10929098
Test Package : IND 2

Received : 15 Mar 2024
Tested : 19 Mar 2024
Diagnosed : 19 Mar 2024 - Don Baldrige

CERTAINTED CORP
 701 E WASHINGTON ST
 JACKSON, MI
 US 49203

Contact: SIDNEY CHAPPELL
 SIDNEY.A.CHAPPELL@SAINT-GOBAIN.COM

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)

T:
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