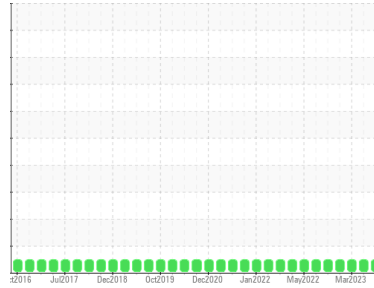


OIL ANALYSIS REPORT



Area
KEMP QUARRIES / RIVER VALLEY OZARK
Machine Id
WL112
Component
Rear Left Final Drive
Fluid
PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)

Sample Rating Trend



NORMAL



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

method	limit/base	current	history 1	history 2
Sample Number	Client Info	PCA0069771	PCA0084573	PCA0084640
Sample Date	Client Info	05 Jul 2023	10 May 2023	27 Mar 2023
Machine Age	hrs Client Info	34304	33945	33634
Oil Age	hrs Client Info	31552	31552	31552
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history 1	history 2
Iron ppm ASTM D5185m	>800	104	103	99
Chromium ppm ASTM D5185m	>10	<1	0	0
Nickel ppm ASTM D5185m	>5	<1	0	0
Titanium ppm ASTM D5185m	>15	<1	0	0
Silver ppm ASTM D5185m	>2	0	0	0
Aluminum ppm ASTM D5185m	>75	3	2	1
Lead ppm ASTM D5185m	>10	0	0	<1
Copper ppm ASTM D5185m	>75	4	4	3
Tin ppm ASTM D5185m	>8	0	0	<1
Vanadium ppm ASTM D5185m		0	0	0
Cadmium ppm ASTM D5185m		0	0	0

ADDITIVES

method	limit/base	current	history 1	history 2
Boron ppm ASTM D5185m	2	0	0	<1
Barium ppm ASTM D5185m	0	0	0	0
Molybdenum ppm ASTM D5185m	0	1	<1	1
Manganese ppm ASTM D5185m	0	1	<1	1
Magnesium ppm ASTM D5185m	9	18	0	19
Calcium ppm ASTM D5185m	3114	3139	3235	3201
Phosphorus ppm ASTM D5185m	1099	922	884	884
Zinc ppm ASTM D5185m	1245	1116	1082	1144
Sulfur ppm ASTM D5185m	7086	9455	9050	9258

CONTAMINANTS

method	limit/base	current	history 1	history 2
Silicon ppm ASTM D5185m	>400	17	17	19
Sodium ppm ASTM D5185m		<1	1	0
Potassium ppm ASTM D5185m	>20	2	0	<1

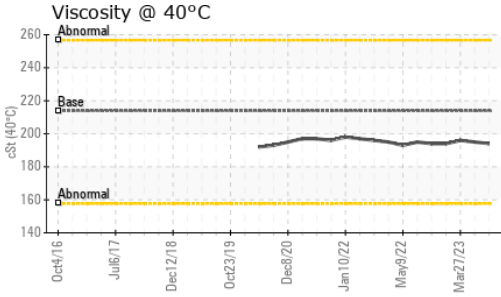
VISUAL

method	limit/base	current	history 1	history 2
White Metal scalar *Visual	NONE	NONE	NONE	NONE
Yellow Metal scalar *Visual	NONE	NONE	NONE	NONE
Precipitate scalar *Visual	NONE	NONE	NONE	NONE
Silt scalar *Visual	NONE	NONE	NONE	NONE
Debris scalar *Visual	NONE	NONE	NONE	NONE
Sand/Dirt scalar *Visual	NONE	NONE	NONE	NONE
Appearance scalar *Visual	NORML	NORML	NORML	NORML
Odor scalar *Visual	NORML	NORML	NORML	NORML
Emulsified Water scalar *Visual	>0.2	NEG	NEG	NEG
Free Water scalar *Visual		NEG	NEG	NEG

FLUID PROPERTIES

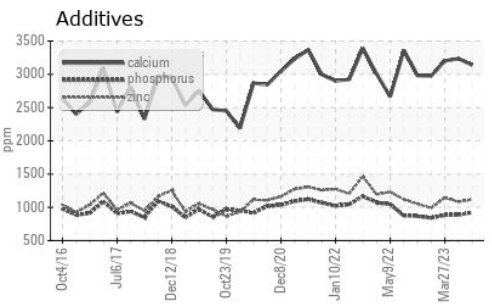
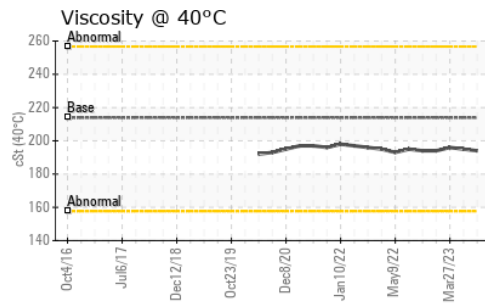
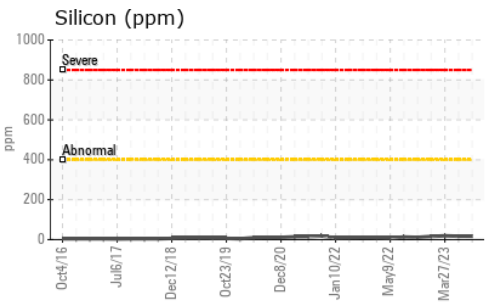
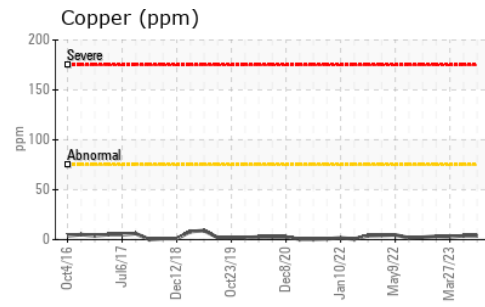
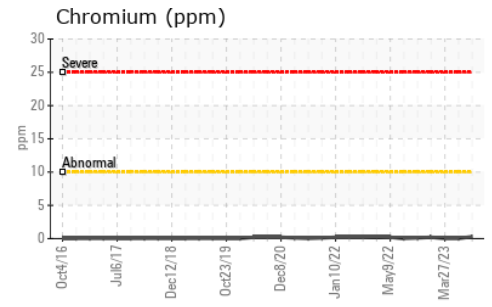
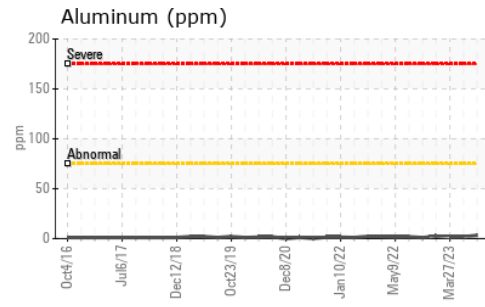
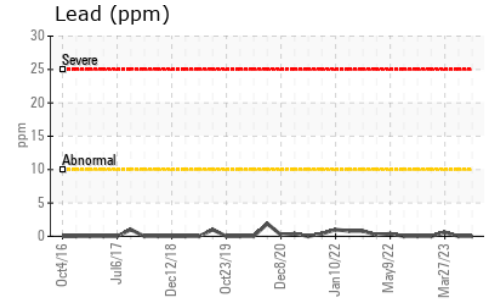
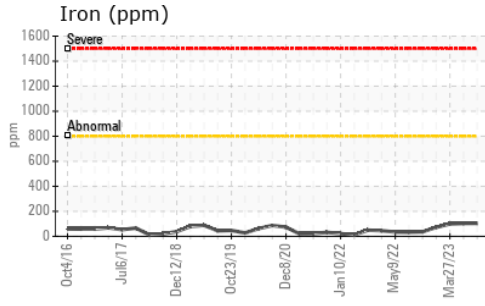
method	limit/base	current	history 1	history 2
Visc @ 40°C cSt ASTM D445	213.9	194	195	196

OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history 1	history 2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0069771 **Received** : 10 Jul 2023
Lab Number : 05894711 **Diagnosed** : 11 Jul 2023
Unique Number : 10550521 **Diagnostician** : Wes Davis
Test Package : MOB 1

Kemp Quarries - River Valley - Ozark
 9446 N Hwy 309
 Ozark, AR
 US 72949
 Contact: OZARK NOTIFICATIONS
 ozark@rivervalleyquarries.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:
F: