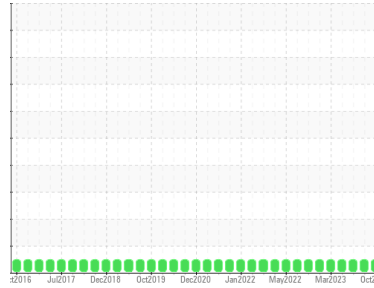


OIL ANALYSIS REPORT



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	history1	history2
Sample Number	Client Info	PCA0069677	PCA0069727	PCA0069771
Sample Date	Client Info	09 Oct 2023	25 Aug 2023	05 Jul 2023
Machine Age	hrs Client Info	34927	34674	34304
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	history1	history2
Iron ppm ASTM D5185m	>800	24	20	104
Chromium ppm ASTM D5185m	>10	<1	<1	<1
Nickel ppm ASTM D5185m	>5	<1	0	<1
Titanium ppm ASTM D5185m	>15	<1	<1	<1
Silver ppm ASTM D5185m	>2	0	0	0
Aluminum ppm ASTM D5185m	>75	0	1	3
Lead ppm ASTM D5185m	>10	<1	<1	0
Copper ppm ASTM D5185m	>75	<1	<1	4
Tin ppm ASTM D5185m	>8	0	1	0
Vanadium ppm ASTM D5185m		0	<1	0
Cadmium ppm ASTM D5185m		0	<1	0

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	2	0	0	0
Barium ppm ASTM D5185m	0	2	0	0
Molybdenum ppm ASTM D5185m	0	<1	<1	1
Manganese ppm ASTM D5185m	0	<1	<1	1
Magnesium ppm ASTM D5185m	9	15	19	18
Calcium ppm ASTM D5185m	3114	3551	3553	3139
Phosphorus ppm ASTM D5185m	1099	1067	991	922
Zinc ppm ASTM D5185m	1245	1318	1259	1116
Sulfur ppm ASTM D5185m	7086	5202	4980	9455

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>400	18	16	17
Sodium ppm ASTM D5185m		0	2	<1
Potassium ppm ASTM D5185m	>20	1	<1	2

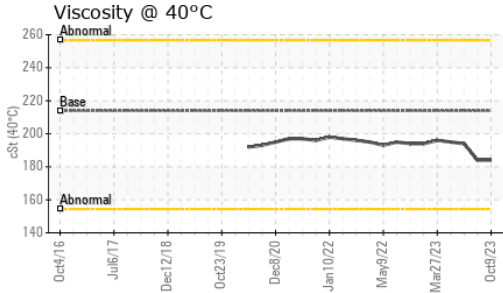
VISUAL

method	limit/base	current	history1	history2
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	LIGHT	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

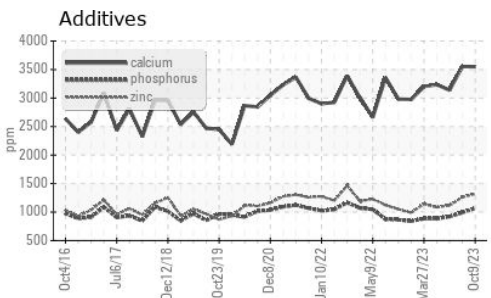
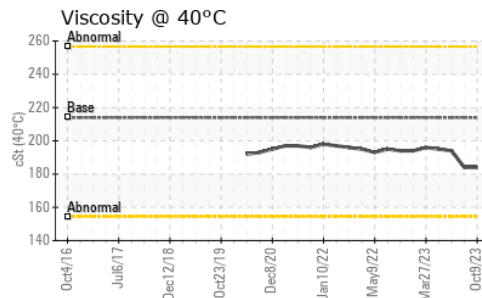
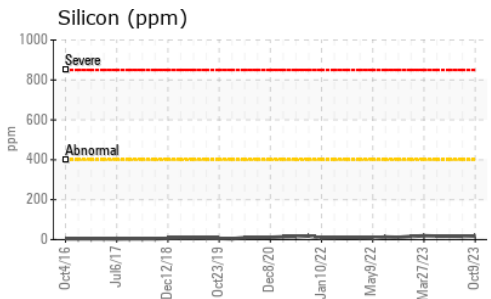
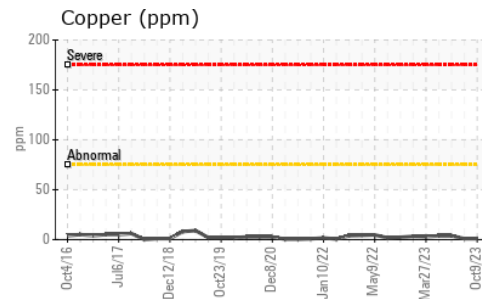
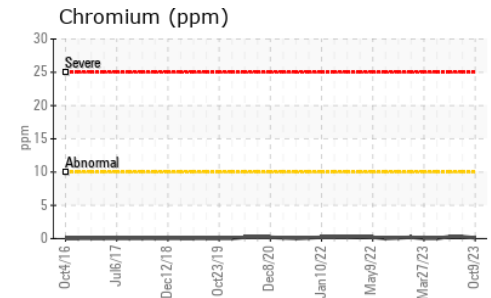
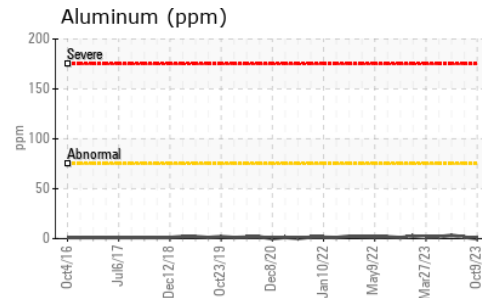
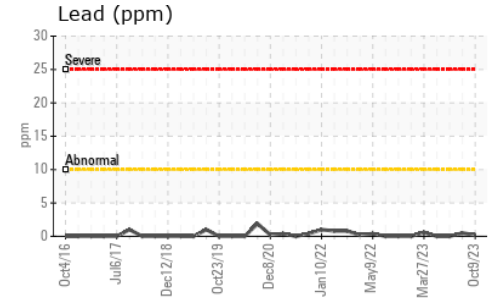
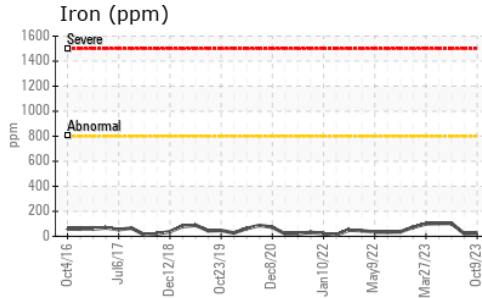
method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445	213.9	184	184	194

OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
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. : PCA0069677
Lab Number : 05979150
Unique Number : 10696445
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: