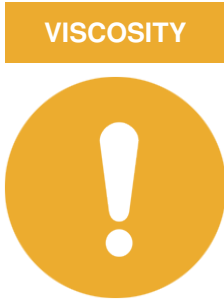
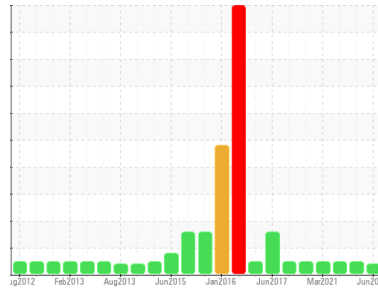


OIL ANALYSIS REPORT

Area
KEMP QUARRIES / PRYOR STONE [69385]
 Machine Id
WL078
 Component
Rear Differential
 Fluid
PETRO CANADA HYDREX AW 68 (--- GAL)

Sample Rating Trend



DIAGNOSIS

- Recommendation**
Resample at the next service interval to monitor. (Customer Sample Comment: PM-2 sampled fluid)
- Wear**
All component wear rates are normal.
- Contamination**
There is no indication of any contamination in the oil.
- Fluid Condition**
The oil viscosity is higher than normal. Confirm oil type.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0126267	PCA0086080	PCA0037724
Sample Date	Client Info		25 Jun 2024	21 Mar 2023	30 Jun 2022
Machine Age	hrs	Client Info	31066	30527	30129
Oil Age	hrs	Client Info	31066	30527	30129
Oil Changed	Client Info		N/A	Changed	Changed
Sample Status			ATTENTION	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	58	86	169
Chromium	ppm	ASTM D5185m >10	<1	0	<1
Nickel	ppm	ASTM D5185m >10	0	0	0
Titanium	ppm	ASTM D5185m	0	0	<1
Silver	ppm	ASTM D5185m	0	0	<1
Aluminum	ppm	ASTM D5185m >25	3	6	11
Lead	ppm	ASTM D5185m >25	0	<1	<1
Copper	ppm	ASTM D5185m >100	5	3	6
Tin	ppm	ASTM D5185m >10	0	0	<1
Antimony	ppm	ASTM D5185m >5	---	---	---
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 0	5	4	6
Barium	ppm	ASTM D5185m 0	0	0	0
Molybdenum	ppm	ASTM D5185m 0	<1	<1	2
Manganese	ppm	ASTM D5185m 0	0	1	2
Magnesium	ppm	ASTM D5185m 0	5	30	37
Calcium	ppm	ASTM D5185m 50	983	3167	2867
Phosphorus	ppm	ASTM D5185m 330	564	1004	935
Zinc	ppm	ASTM D5185m 430	701	1287	1101
Sulfur	ppm	ASTM D5185m 760	2540	7955	13233

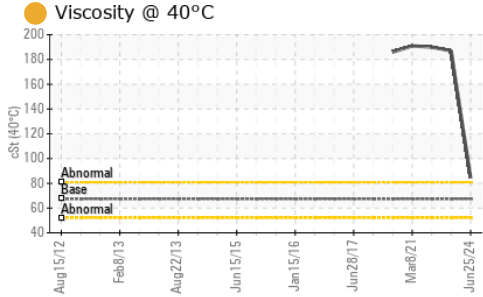
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	19	41	60
Sodium	ppm	ASTM D5185m	0	2	5
Potassium	ppm	ASTM D5185m >20	2	<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	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 >.2	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

OIL ANALYSIS REPORT

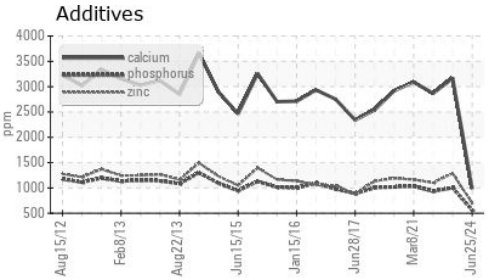
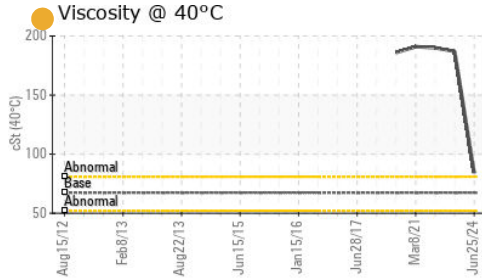
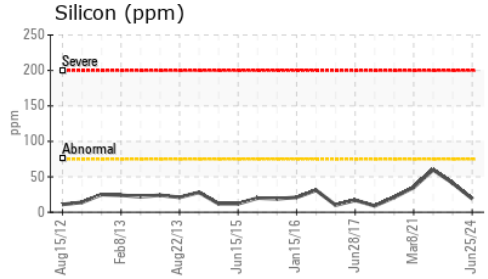
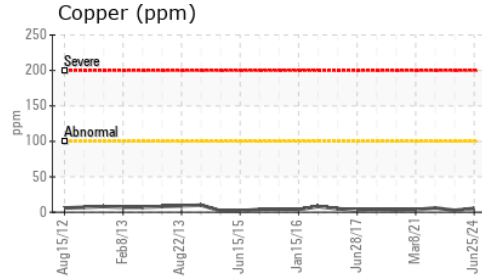
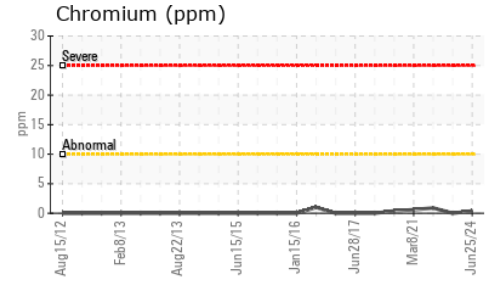
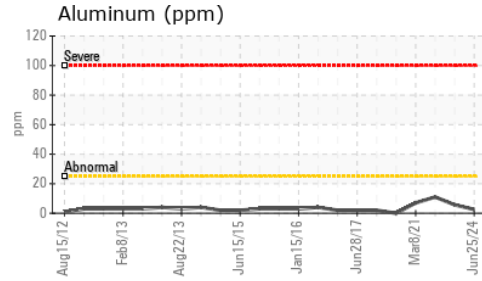
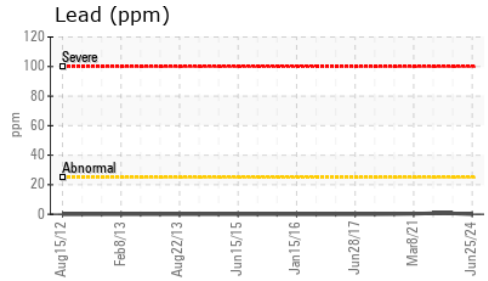
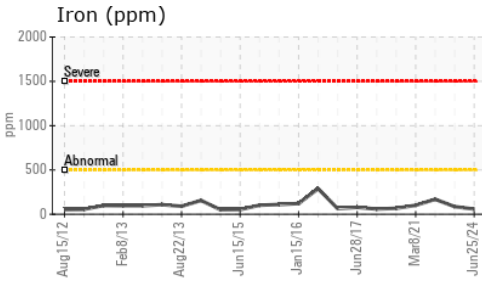


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67.4	84.3	187	190

SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color		no image	no image	no image
Bottom		no image	no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0126267
Lab Number : 06226610
Unique Number : 11110103
Test Package : MOB 1

Received : 02 Jul 2024
Tested : 05 Jul 2024
Diagnosed : 05 Jul 2024 - Don Baldridge

Kemp Quarries - Kemp Stone - Neosho
 19148 Ingersol Lane
 Neosho, MO
 US 64850
 Contact:
 neosho@kempstone.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)