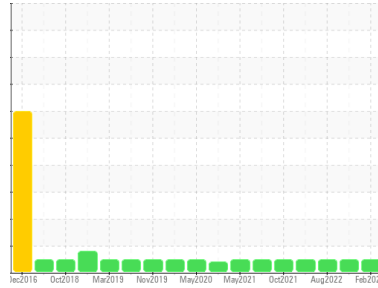


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
KEMP QUARRIES / BCS - GRAVETTE [68022]
 Machine Id
WL110
 Component
Transmission (Manual)
 Fluid
PETRO CANADA PRODURO TO-4 SAE 30 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Pm2)

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	PCA0108772	PCA0085717	PCA0062405
Sample Date	Client Info	13 Feb 2024	10 May 2023	29 Aug 2022
Machine Age	hrs	28314	27770	27477
Oil Age	hrs	544	27770	27477
Oil Changed	Client Info	N/A	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >200	6	11	27
Chromium	ppm ASTM D5185m >5	<1	<1	<1
Nickel	ppm ASTM D5185m >5	0	0	<1
Titanium	ppm ASTM D5185m	0	0	<1
Silver	ppm ASTM D5185m >7	0	0	<1
Aluminum	ppm ASTM D5185m >25	<1	0	3
Lead	ppm ASTM D5185m >45	0	0	1
Copper	ppm ASTM D5185m >225	5	17	42
Tin	ppm ASTM D5185m >10	0	<1	<1
Antimony	ppm ASTM D5185m	---	---	---
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 2	0	11	53
Barium	ppm ASTM D5185m 0	0	11	0
Molybdenum	ppm ASTM D5185m 0	2	7	10
Manganese	ppm ASTM D5185m 9	<1	<1	<1
Magnesium	ppm ASTM D5185m 1	45	106	141
Calcium	ppm ASTM D5185m 3131	2904	2331	1791
Phosphorus	ppm ASTM D5185m 1194	873	893	877
Zinc	ppm ASTM D5185m 1281	1161	1006	895
Sulfur	ppm ASTM D5185m 3811	3731	4691	6818

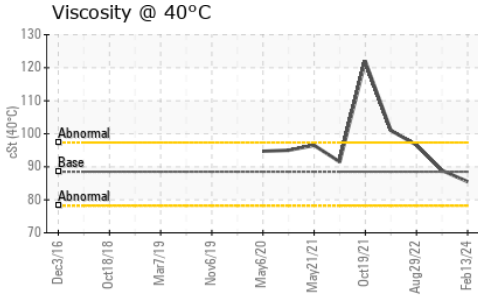
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >125	6	5	6
Sodium	ppm ASTM D5185m	0	1	1
Potassium	ppm ASTM D5185m >20	0	0	0

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 >0.1	NEG	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG

OIL ANALYSIS REPORT

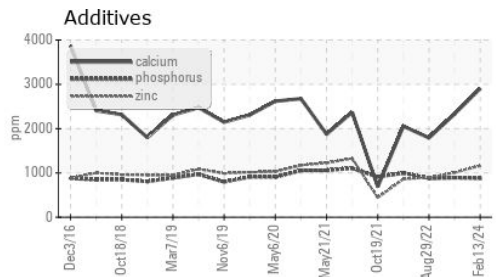
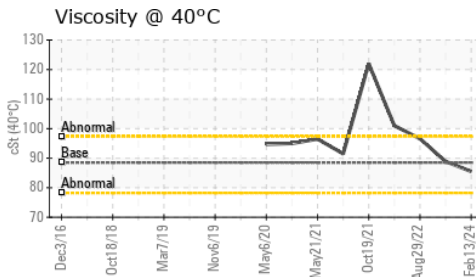
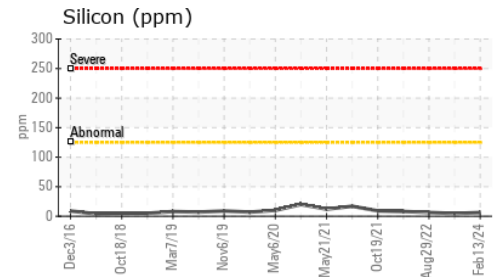
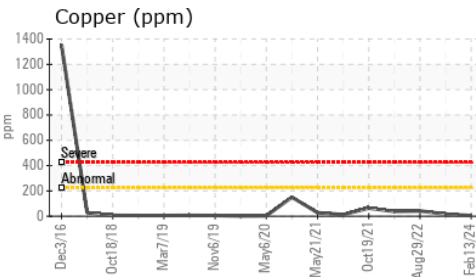
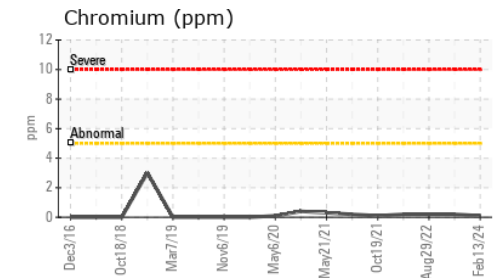
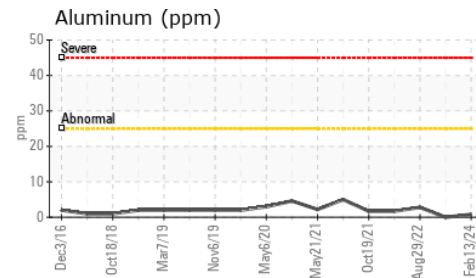
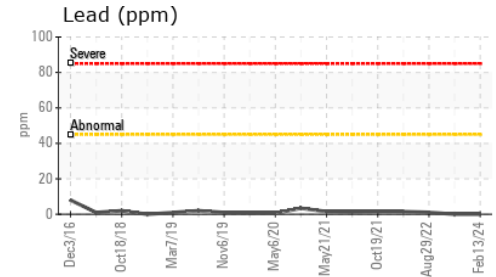
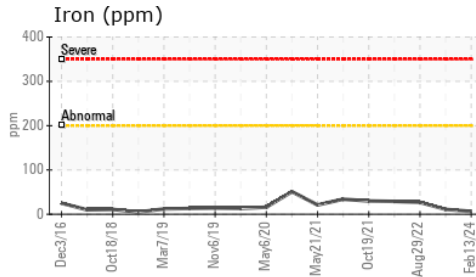


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	88.5	85.5	88.9	96.6

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



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0108772
Lab Number : 06101246
Unique Number : 10899476
Test Package : MOB 1

Received : 26 Feb 2024
Tested : 28 Feb 2024
Diagnosed : 28 Feb 2024 - Don Baldrige

Kemp Quarries - Benton County Stone - Gravette
 15100 N Hwy 59
 Sulphur Springs, AR
 US 72768

Contact: gravette@bentoncountystone.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: