

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

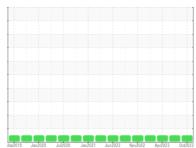


KEMP QUARRIES / KEMP STONE - FAIRLAND [66473] Machine Id WL 128

Component

Transmission (Manual)

PETRO CANADA PRODURO TO-4 SAE 30 (--- GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: PM-3 changed filters)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

The condition of the fluid is acceptable for the time in service

Sample Number Client Info PCA0084754 PCA0084608 PCA008 Sample Date Client Info 06 Oct 2023 10 Jul 2023 20 Apr Machine Age hrs Client Info 34458 33887 33426 Oil Age hrs Client Info N/A Changed N/A Oil Changed Client Info N/A Changed N/A Sample Status NORMAL NORMAL NORMAL NORMAL WEAR METALS method limit/base current history1 his Iron ppm ASTM D5185m >200 3 4 4 Chromium ppm ASTM D5185m >5 3 0 <1 Nickel ppm ASTM D5185m >5 0 0 0 Titanium ppm ASTM D5185m >7 0 0 <1 Aluminum ppm ASTM D5185m >25 2 1 1 Lead ppm ASTM D5185m </th <th>2023</th>	2023
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Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 0 0	
Cadmium ppm ASTM D5185m 0 0 0	
- PP	
ADDITIVES method limit/base current history1 his	
	tory2
Boron ppm ASTM D5185m 2 <1 <1 0	
Barium ppm ASTM D5185m 0 0 0 0	
Molybdenum ppm ASTM D5185m 0 2 2 1	
Manganese ppm ASTM D5185m 9 0 0 <1	
Magnesium ppm ASTM D5185m 1 22 18 12	
Calcium ppm ASTM D5185m 3131 3220 2966 2606	3
Phosphorus ppm ASTM D5185m 1194 888 871 906	
Zinc ppm ASTM D5185m 1281)
Sulfur ppm ASTM D5185m 3811 4014 3522 4688)
CONTAMINANTS method limit/base current history1 his	tory2
Silicon ppm ASTM D5185m >125 6 8 18	
Sodium ppm ASTM D5185m 0 0 2	
Potassium ppm ASTM D5185m >20 2 1 <1	
VISUAL method limit/base current history1 his	tory2
White Metal scalar *Visual NONE MODER NONE NONE	1E
Yellow Metal scalar *Visual NONE NONE NONE NONE	ΙE
Precipitate scalar *Visual NONE NONE NONE NONE	1E
Silt scalar *Visual NONE NONE NONE NONE	1E
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 NORML	
TOTAL TOTAL	
Emulsified Water scalar *Visual >0.1 NEG NEG NEG	ì
Emulsified Water scalar *Visual >0.1 NEG NEG NEG	
Free Water scalar *Visual NEG NEG NEG	

Visc @ 40°C

cSt

ASTM D445 88.5

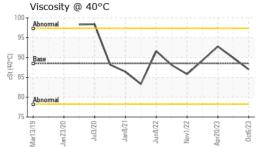
87.0

89.9

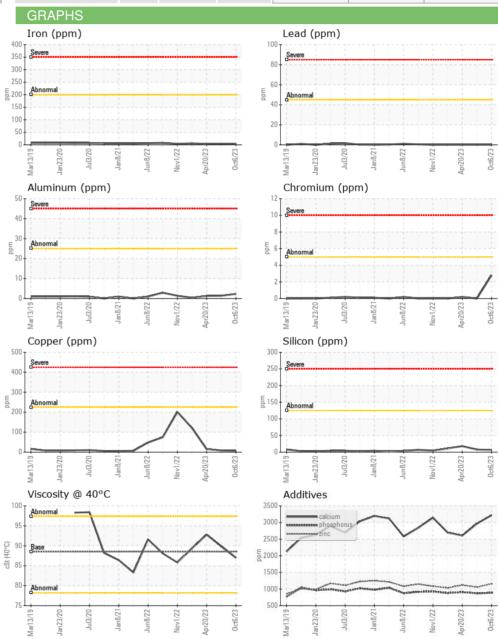
92.8



OIL ANALYSIS REPORT











Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : MOB 1

: 05980777 : 10698072

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0084754 Received Diagnosed

: 16 Oct 2023 : 18 Oct 2023 Diagnostician : Angela Borella Kemp Quarries - Kemp Stone - Fairland

18350 S 590 Rd Fairland, OK US 74343

Contact:

F:

fairland@kempstone.com

T:

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)

Report Id: KEMFAI [WUSCAR] 05980777 (Generated: 10/19/2023 18:12:14) Rev: 1