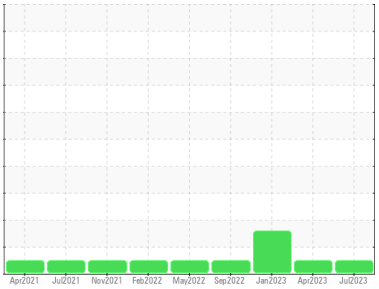
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Area
KEMP QUARRIES / PRYOR STONE [64442]
Machine Id
WL139
Component
Rear Right Final Drive
Fluid
PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor. (Customer Sample Comment: Pm4 performed. All oil samples taken. All oils, and all filters changed. All breathers cleaned/ changed)

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		**PCA0084204**	PCA0083909	PCA0070356
Sample Date		Client Info		**21 Jul 2023**	03 Apr 2023	05 Jan 2023
Machine Age	hrs	Client Info		**34308**	33745	33273
Oil Age	hrs	Client Info		**2154**	1691	1119
Oil Changed		Client Info		**Changed**	Oil Added	Changed
Sample Status				**NORMAL**	NORMAL	MARGINAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	**7**	7	6
Chromium	ppm	ASTM D5185m	>10	**0**	<1	<1
Nickel	ppm	ASTM D5185m	>5	**0**	<1	<1
Titanium	ppm	ASTM D5185m	>15	**0**	0	0
Silver	ppm	ASTM D5185m	>2	**0**	0	0
Aluminum	ppm	ASTM D5185m	>75	**3**	1	<1
Lead	ppm	ASTM D5185m	>10	**0**	0	1
Copper	ppm	ASTM D5185m	>75	**4**	2	2
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	history1	history2
Boron	ppm	ASTM D5185m	2	**0**	<1	6
Barium	ppm	ASTM D5185m	0	**0**	0	0
Molybdenum	ppm	ASTM D5185m	0	**0**	1	1
Manganese	ppm	ASTM D5185m	0	**<1**	<1	<1
Magnesium	ppm	ASTM D5185m	9	**14**	16	18
Calcium	ppm	ASTM D5185m	3114	**3272**	3220	3167
Phosphorus	ppm	ASTM D5185m	1099	**1002**	1028	898
Zinc	ppm	ASTM D5185m	1245	**1255**	1278	1064
Sulfur	ppm	ASTM D5185m	7086	**5164**	5628	4883

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	**11**	11	10
Sodium	ppm	ASTM D5185m		**<1**	1	2
Potassium	ppm	ASTM D5185m	>20	**1**	3	<1

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	>0.2	**NEG**	NEG	0.2%
Free Water	scalar	*Visual		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	213.9	**185**	184	185

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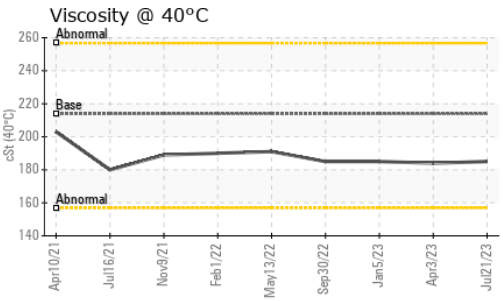
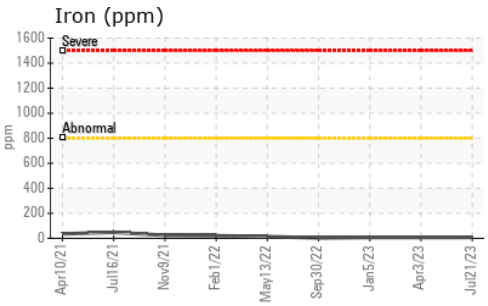
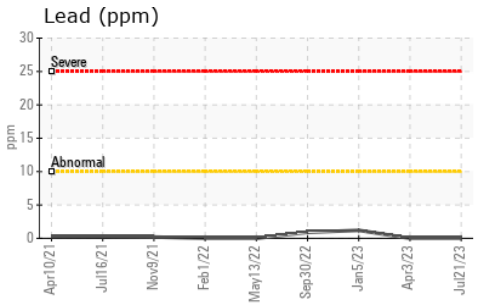
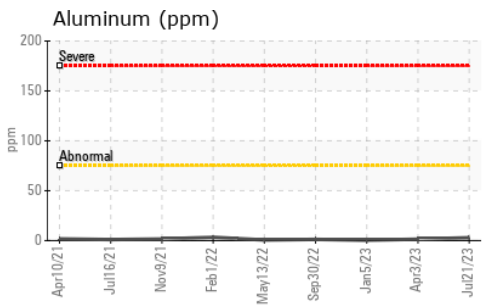


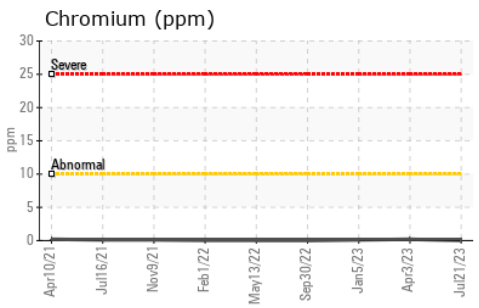
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

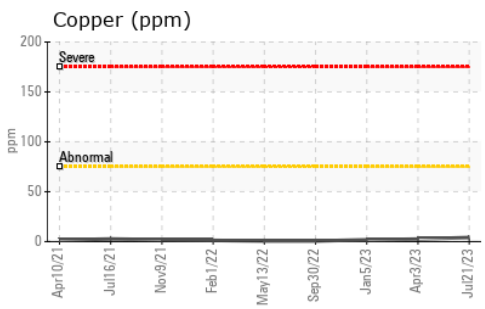
GRAPHS

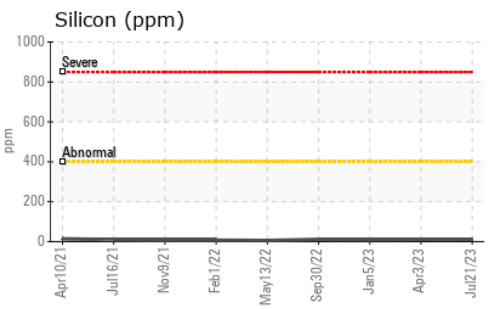


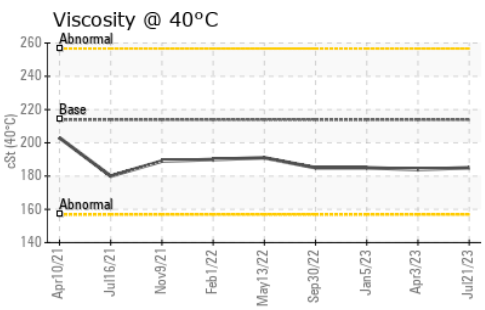


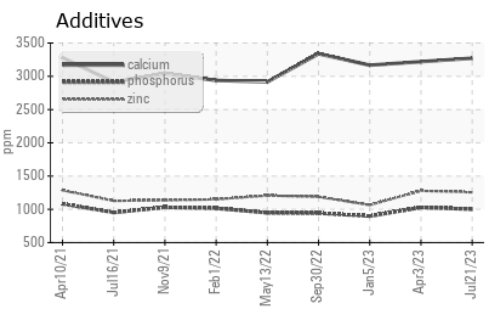












Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0084204
Lab Number : 05926894
Unique Number : 10606841
Test Package : MOB 1

Received : 16 Aug 2023
Diagnosed : 18 Aug 2023
Diagnostician : Don Baldridge

Kemp Quarries - Pryor Stone - Pryor
1050 E 520 Rd
Pryor, OK
US 74361
Contact:
pryor@pryorstone.com
T:
F:

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)