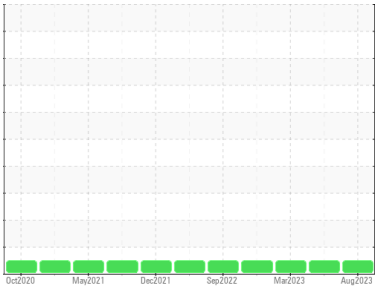
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Area
KEMP QUARRIES / PRYOR STONE [65796]
Machine Id
OHT110
Component
Rear Left Final Drive
Fluid
PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor. (Customer Sample Comment: Pm2 performed. All oil samples taken. Engine oil, transmission oil, and all filters 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		**PCA0084255**	PCA0083992	PCA0083924
Sample Date		Client Info		**25 Aug 2023**	06 Jun 2023	24 Mar 2023
Machine Age	hrs	Client Info		**28083**	27575	27095
Oil Age	hrs	Client Info		**988**	480	2183
Oil Changed		Client Info		**Oil Added**	Oil Added	Changed
Sample Status				**NORMAL**	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	**33**	18	39
Chromium	ppm	ASTM D5185m	>10	**0**	0	<1
Nickel	ppm	ASTM D5185m	>5	**0**	<1	<1
Titanium	ppm	ASTM D5185m	>15	**<1**	0	0
Silver	ppm	ASTM D5185m	>2	**0**	0	0
Aluminum	ppm	ASTM D5185m	>75	**<1**	2	1
Lead	ppm	ASTM D5185m	>10	**0**	<1	0
Copper	ppm	ASTM D5185m	>75	**1**	<1	3
Tin	ppm	ASTM D5185m	>8	**<1**	0	0
Vanadium	ppm	ASTM D5185m		**<1**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	**0**	2	1
Barium	ppm	ASTM D5185m	0	**0**	2	0
Molybdenum	ppm	ASTM D5185m	0	**<1**	<1	2
Manganese	ppm	ASTM D5185m	0	**<1**	<1	<1
Magnesium	ppm	ASTM D5185m	9	**15**	14	16
Calcium	ppm	ASTM D5185m	3114	**3345**	3426	2035
Phosphorus	ppm	ASTM D5185m	1099	**973**	1012	757
Zinc	ppm	ASTM D5185m	1245	**1207**	1230	951
Sulfur	ppm	ASTM D5185m	7086	**4517**	4504	3899

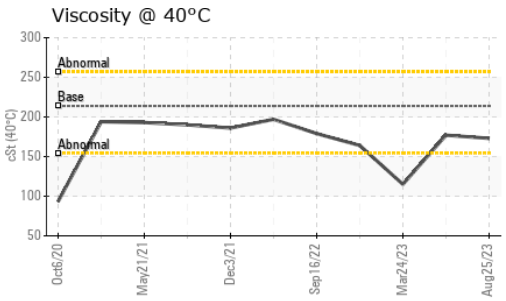
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	**19**	19	11
Sodium	ppm	ASTM D5185m		**3**	0	2
Potassium	ppm	ASTM D5185m	>20	**0**	1	<1

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	MODER
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	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	213.9	**173**	177	115

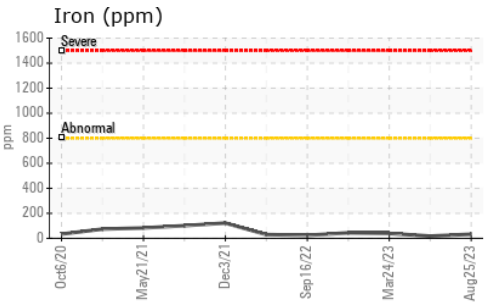
OIL ANALYSIS REPORT

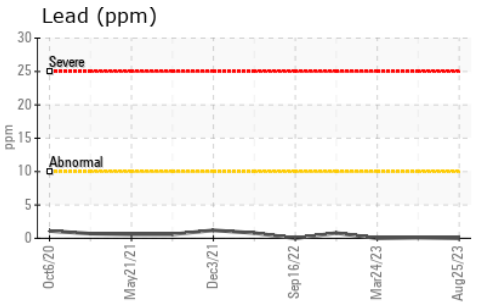
OIL DIAGNOSTICS

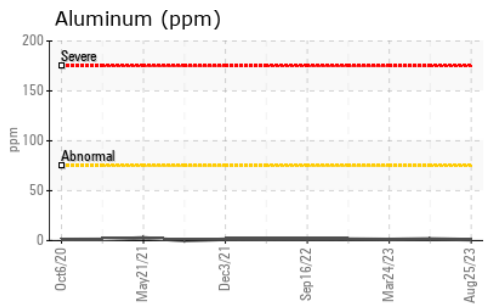


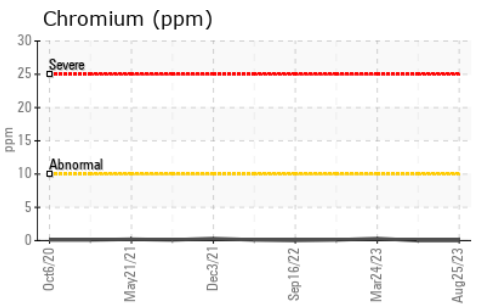
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

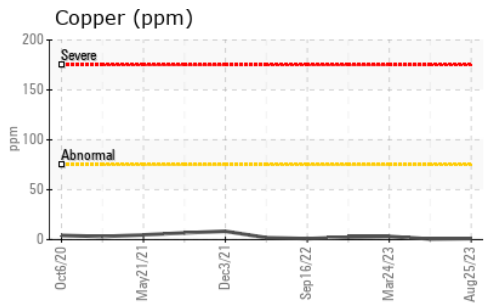
GRAPHS

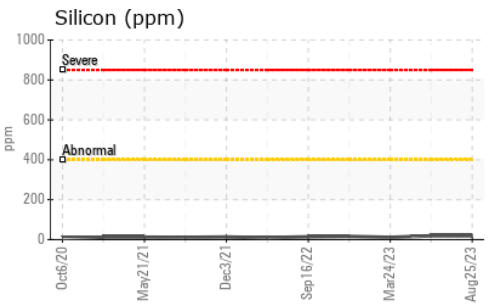


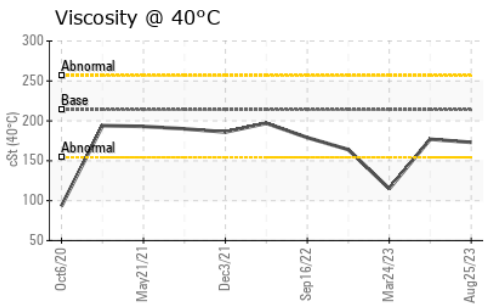


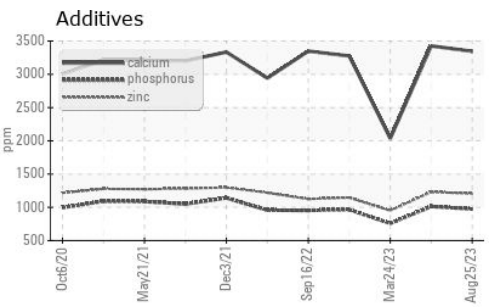












Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: PCA0084255	**Received**	: 05 Sep 2023
Lab Number	: 05942530	**Diagnosed**	: 07 Sep 2023
Unique Number	: 10633142	**Diagnostician**	: Don Baldridge
Test Package	: MOB 1		

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)

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

Report Id: KEMPRY [WUSCAR] 05942530 (Generated: 09/07/2023 13:55:07) Rev: 1

Submitted By: