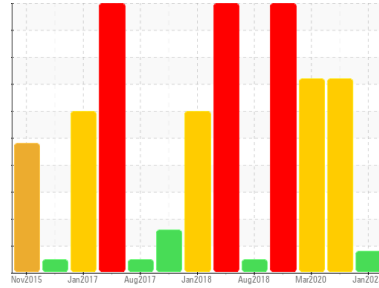


OIL ANALYSIS REPORT

Area
KEMP QUARRIES / PRYOR STONE
Machine Id
WL091
Component
Rear Differential
Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

Sample Rating Trend



WEAR



DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

▲ Wear

The iron level has decreased, but is still abnormal. Gear wear is indicated.

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		PCA0086189	PCA0034839	PCA0010882
Sample Date	Client Info		13 Jan 2023	23 Jan 2021	04 Mar 2020
Machine Age	hrs	Client Info	24686	23316	22863
Oil Age	hrs	Client Info	0	0	432
Oil Changed	Client Info		Not Chngd	Not Chngd	N/A
Sample Status			ABNORMAL	SEVERE	SEVERE

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	▲ 1291	● 2558	● 1891
Chromium	ppm	ASTM D5185m >10	2	4	3
Nickel	ppm	ASTM D5185m >10	< 1	<1	<1
Titanium	ppm	ASTM D5185m	4	4	2
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	8	9	3
Lead	ppm	ASTM D5185m >25	1	2	<1
Copper	ppm	ASTM D5185m >100	22	8	5
Tin	ppm	ASTM D5185m >10	2	2	<1
Antimony	ppm	ASTM D5185m >5	---	0	<1
Vanadium	ppm	ASTM D5185m	< 1	<1	0
Cadmium	ppm	ASTM D5185m	< 1	<1	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	17	116	104
Barium	ppm	ASTM D5185m	0	0	<1
Molybdenum	ppm	ASTM D5185m	2	4	0
Manganese	ppm	ASTM D5185m	10	17	14
Magnesium	ppm	ASTM D5185m	31	58	28
Calcium	ppm	ASTM D5185m	3205	544	419
Phosphorus	ppm	ASTM D5185m	923	1023	842
Zinc	ppm	ASTM D5185m	1189	264	215
Sulfur	ppm	ASTM D5185m	7382	24322	18677

CONTAMINANTS

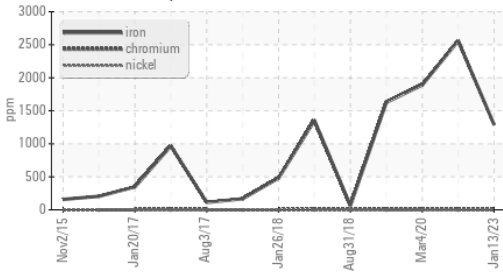
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	69	72	38
Sodium	ppm	ASTM D5185m	4	4	4
Potassium	ppm	ASTM D5185m >20	1	0	2

VISUAL

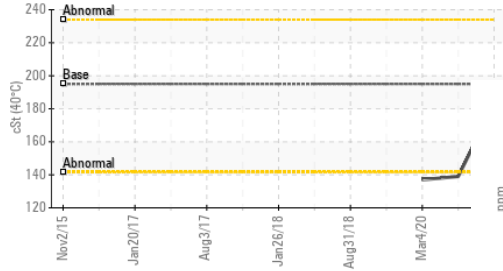
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	▲ MODER	▲ HEAVY
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	NONE	NONE
Debris	scalar	*Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	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

▲ Ferrous Alloys



Viscosity @ 40°C



FLUID PROPERTIES

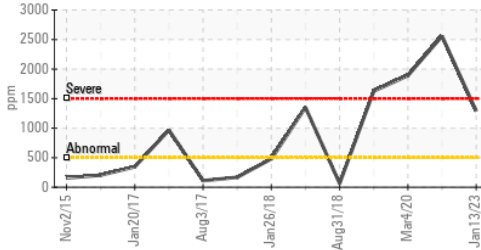
method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	195	183	139

SAMPLE IMAGES

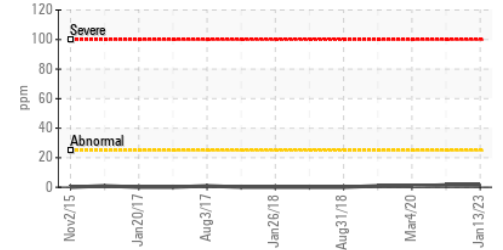
method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

GRAPHS

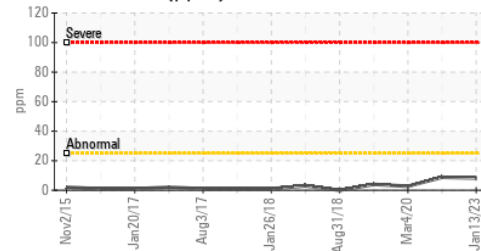
▲ Iron (ppm)



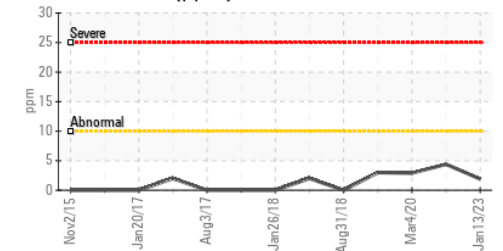
▲ Lead (ppm)



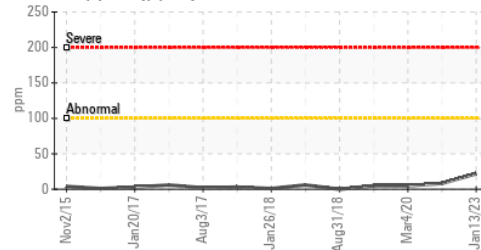
Aluminum (ppm)



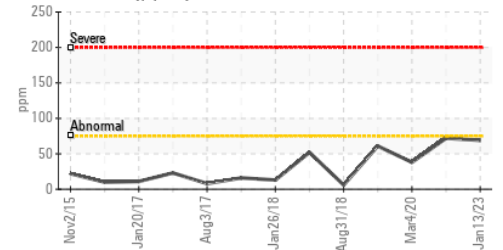
Chromium (ppm)



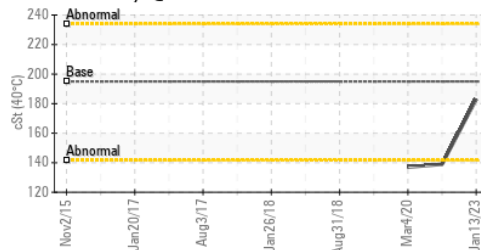
Copper (ppm)



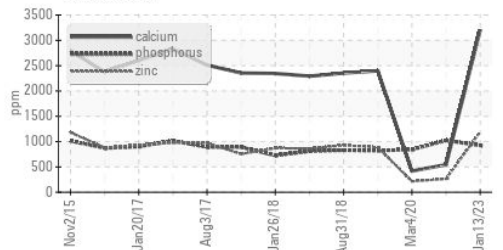
Silicon (ppm)



Viscosity @ 40°C



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0086189
Lab Number : 05777840
Unique Number : 10357510
Test Package : MOB 1

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