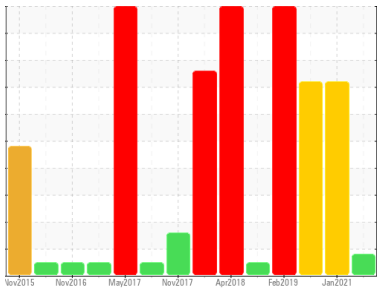
OIL DIAGNOSTICS

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

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

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		**PCA0086187**	PCA0034853	PCA0010884
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 Changd**	Not Changd	N/A
Sample Status				**ABNORMAL**	SEVERE	SEVERE

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	▲ **1285**	⬢ 2554	⬢ 2072
Chromium	ppm	ASTM D5185m	>10	**2**	4	3
Nickel	ppm	ASTM D5185m		**<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	>50	**22**	8	5
Tin	ppm	ASTM D5185m	>10	**2**	2	<1
Antimony	ppm	ASTM D5185m		**---**	0	0
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**	117	115
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**2**	4	0
Manganese	ppm	ASTM D5185m		**10**	18	14
Magnesium	ppm	ASTM D5185m		**30**	57	30
Calcium	ppm	ASTM D5185m		**3179**	542	453
Phosphorus	ppm	ASTM D5185m		**914**	1028	912
Zinc	ppm	ASTM D5185m		**1178**	265	229
Sulfur	ppm	ASTM D5185m		**7248**	23944	16975

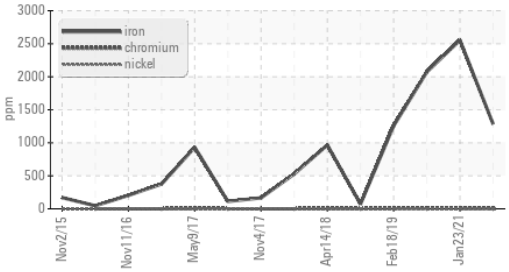
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	**69**	72	42
Sodium	ppm	ASTM D5185m		**4**	4	5
Potassium	ppm	ASTM D5185m	>20	**<1**	0	<1

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	▲ MODER	▲ 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

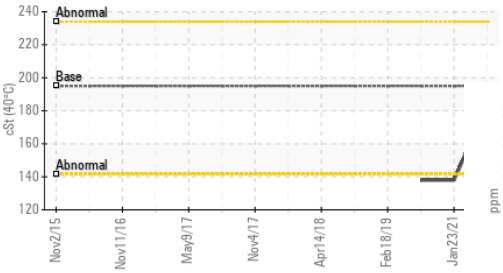
OIL ANALYSIS REPORT

OIL DIAGNOSTICS

Ferrous Alloys



Viscosity @ 40°C

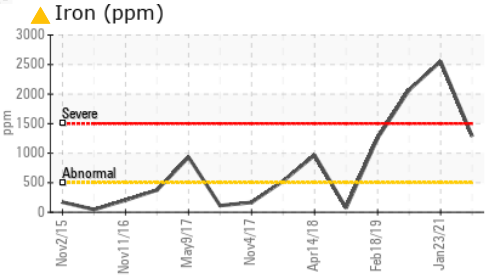


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	195	**183**	138	138

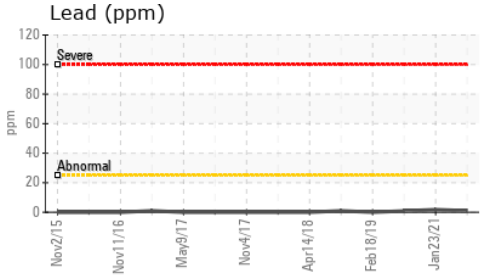
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS

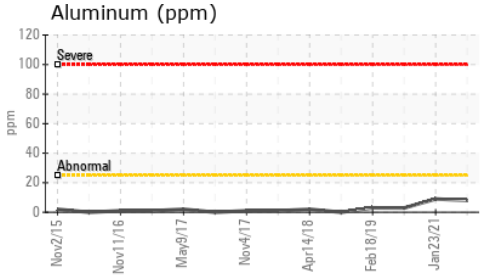
Iron (ppm)



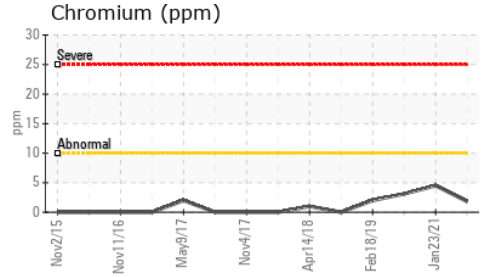
Lead (ppm)



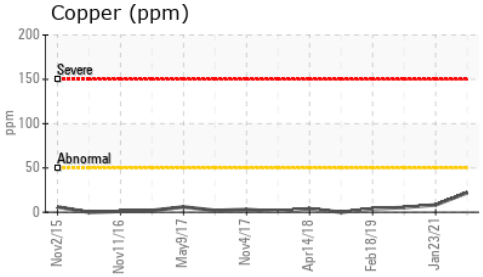
Aluminum (ppm)



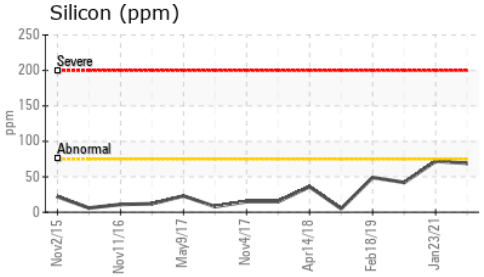
Chromium (ppm)



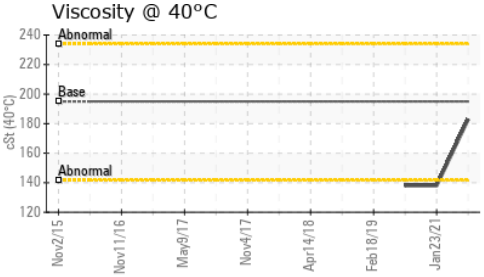
Copper (ppm)



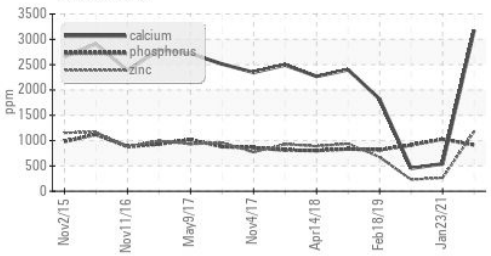
Silicon (ppm)



Viscosity @ 40°C



Additives



ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0086187
Lab Number : 05777841
Unique Number : 10357511
Test Package : MOB 1

Received : 27 Feb 2023
Diagnosed : 28 Feb 2023
Diagnostician : Don Baldridge

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)

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US 74361
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T:
F:

Report Id: KEMPRY [WUSCAR] 05777841 (Generated: 08/18/2023 14:48:42) Rev: 1

Submitted By: