



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
KEMP QUARRIES / HULBERT
Machine Id
OHT043
Component
Differential
Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0085930	PCA0048630	PCA0037488
Sample Date		Client Info		13 Apr 2024	24 Sep 2021	16 Mar 2021
Machine Age	hrs	Client Info		37547	36553	36041
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		None	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	100	64	63
Chromium	ppm	ASTM D5185m	>3	1	1	1
Nickel	ppm	ASTM D5185m	>3	<1	0	2
Titanium	ppm	ASTM D5185m	>2	<1	<1	1
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>30	4	4	3
Lead	ppm	ASTM D5185m	>13	4	0	2
Copper	ppm	ASTM D5185m	>103	68	53	49
Tin	ppm	ASTM D5185m	>5	2	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

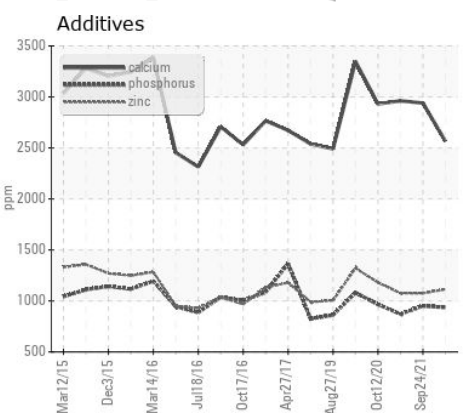
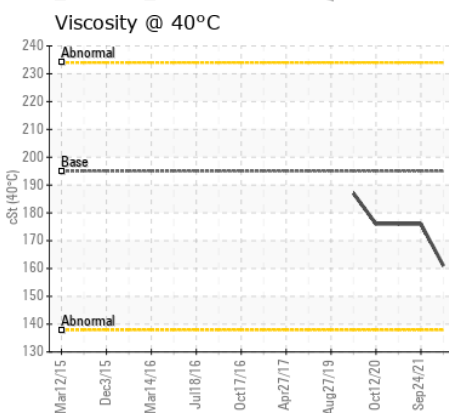
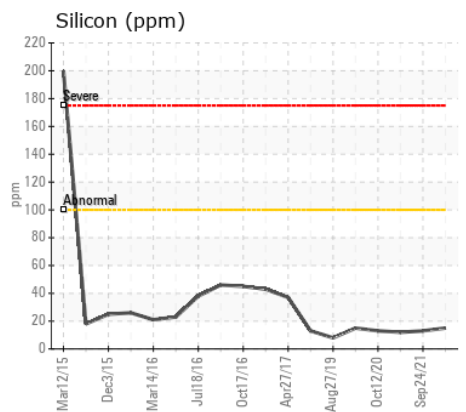
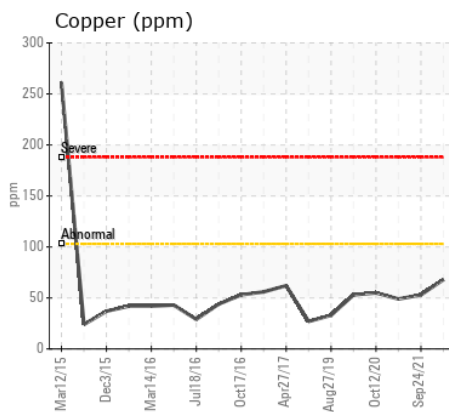
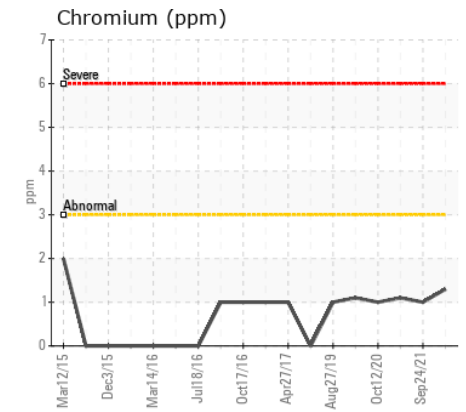
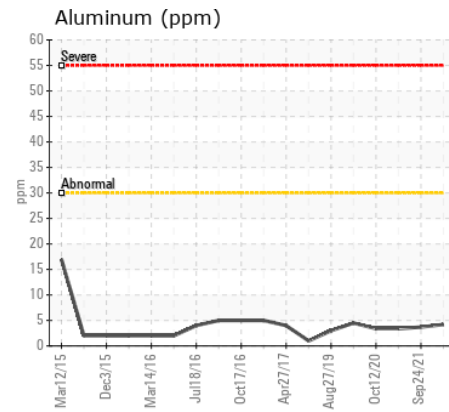
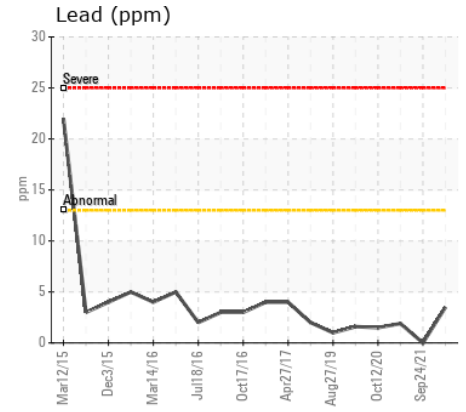
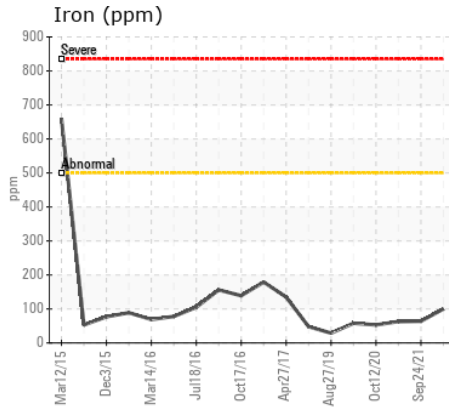
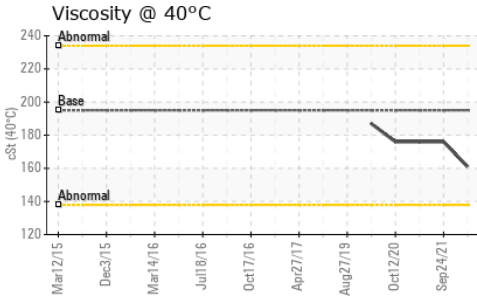
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	15	13	12
Potassium	ppm	ASTM D5185m	>20	2	3	0
Water		WC Method	>.2	NEG	NEG	NEG
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

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		3	2	2
Boron	ppm	ASTM D5185m		4	16	6
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		3	1	2
Manganese	ppm	ASTM D5185m		2	1	1
Magnesium	ppm	ASTM D5185m		45	38	38
Calcium	ppm	ASTM D5185m		2566	2940	2962
Phosphorus	ppm	ASTM D5185m		936	951	871
Zinc	ppm	ASTM D5185m		1114	1075	1076
Sulfur	ppm	ASTM D5185m		12775	7133	9591
Visc @ 40°C	cSt	ASTM D445	195	161	176	176



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0085930
Lab Number : 06156453
Unique Number : 10991876
Test Package : MOB 1

Kemp Quarries - Kemp Stone - Hulbert
 17801 Hwy 80
 Hulbert, OK
 US 74441
 Contact:
 hulbert@kempstone.com
 T:
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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)