



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
KEMP QUARRIES / RIVER VALLEY OZARK

Machine Id
HITACHI EX200-2 TTH017

Component
Front Right Final Drive

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		PCA0108996	PCA0084494	PCA0037185
Sample Date		Client Info		19 Jun 2024	12 Jan 2024	13 Jan 2023
Machine Age	hrs	Client Info		5494	5255	18563
Oil Age	hrs	Client Info		5494	5255	900
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1960	87	234	260
Chromium	ppm	ASTM D5185m	>27	<1	2	2
Nickel	ppm	ASTM D5185m	>9	0	<1	0
Titanium	ppm	ASTM D5185m		1	1	1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>169	5	9	11
Lead	ppm	ASTM D5185m	>1	1	<1	0
Copper	ppm	ASTM D5185m	>22	<1	2	1
Tin	ppm	ASTM D5185m	>1	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

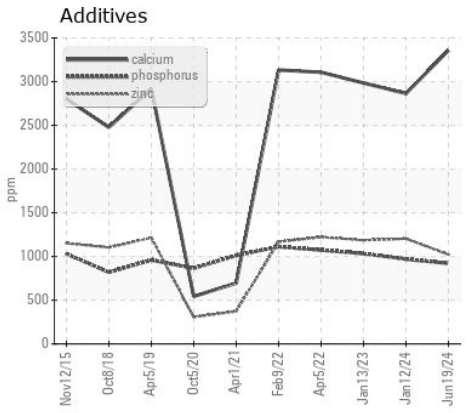
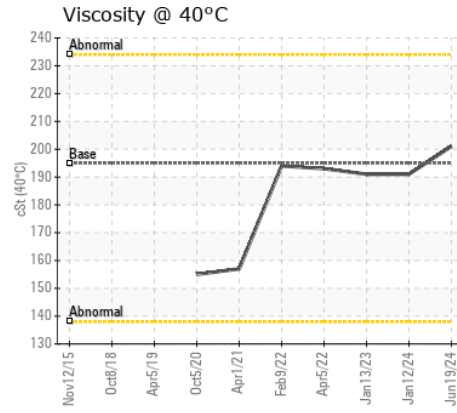
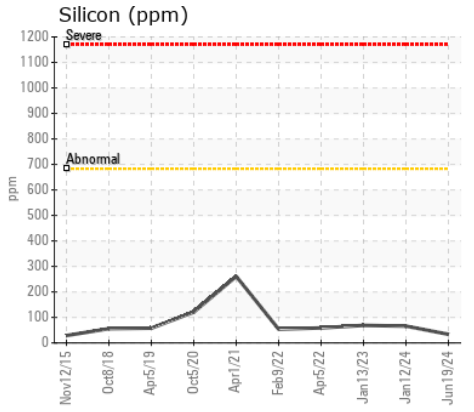
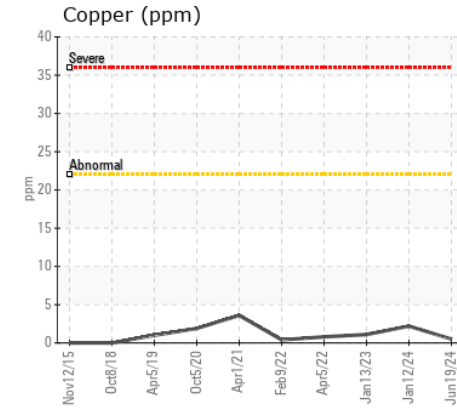
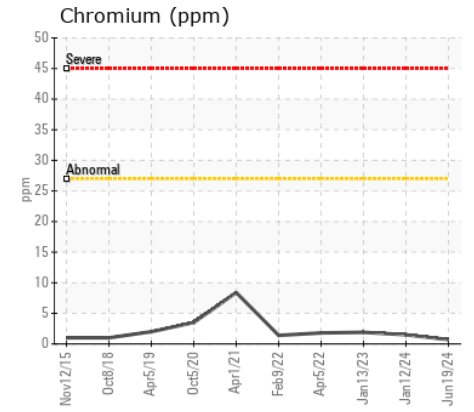
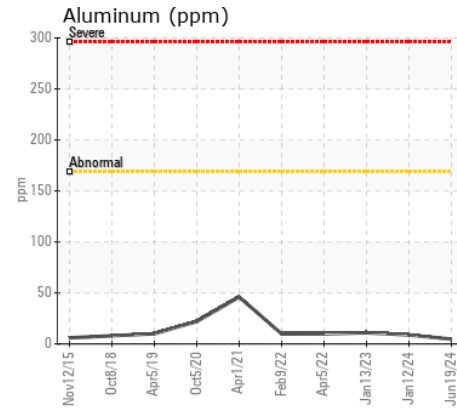
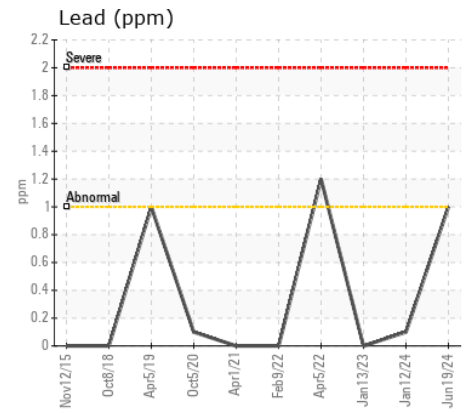
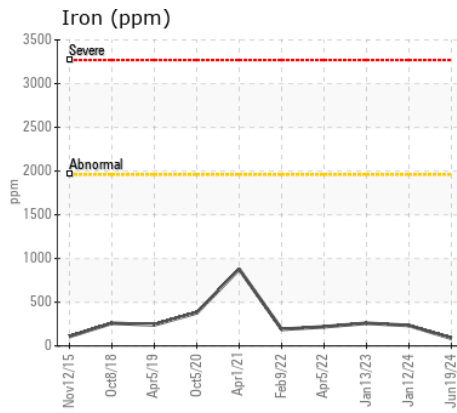
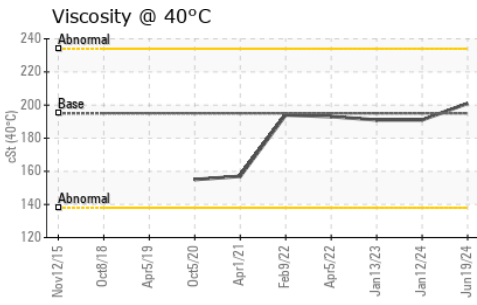
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>683	34	66	69
Potassium	ppm	ASTM D5185m	>20	<1	5	4
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	0	0
Boron	ppm	ASTM D5185m		6	21	14
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	1	1
Magnesium	ppm	ASTM D5185m		11	10	10
Calcium	ppm	ASTM D5185m		3356	2864	2985
Phosphorus	ppm	ASTM D5185m		922	970	1033
Zinc	ppm	ASTM D5185m		1023	1204	1186
Sulfur	ppm	ASTM D5185m		4944	7036	6408
Visc @ 40°C	cSt	ASTM D445	195	201	191	191



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0108996
Lab Number : 06222908
Unique Number : 11101105
Test Package : MOB 1
Received : 27 Jun 2024
Tested : 28 Jun 2024
Diagnosed : 30 Jun 2024 - Don Baldrige

Kemp Quarries - River Valley - Ozark
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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)