



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area KEMP QUARRIES / RIVER VALLEY BACKBONE

Machine Id
WL079

Component
Front Left 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		PCA0108630	PCA0084793	PCA0085850
Sample Date		Client Info		28 Jun 2024	28 Dec 2023	13 Oct 2023
Machine Age	hrs	Client Info		49459	48609	48226
Oil Age	hrs	Client Info		1200	383	1200
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	SEVERE

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	88	32	51
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	2	2
Titanium	ppm	ASTM D5185m	>15	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>75	4	2	2
Lead	ppm	ASTM D5185m	>10	10	▲ 33	▲ 88
Copper	ppm	ASTM D5185m	>75	60	▲ 159	▲ 464
Tin	ppm	ASTM D5185m	>8	1	▲ 11	▲ 29
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	▲ HEAVY
Yellow Metal	scalar	*Visual	NONE	NONE	▲ HEAVY	NONE

CONTAMINATION

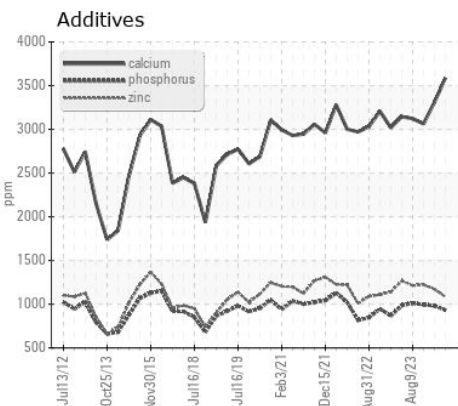
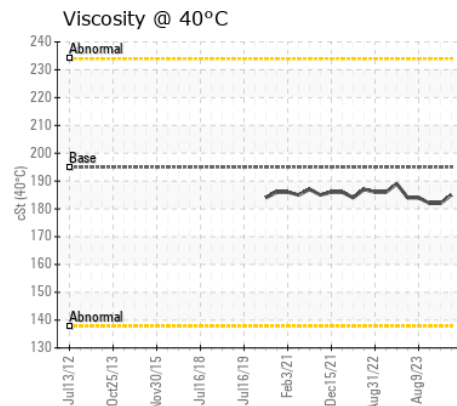
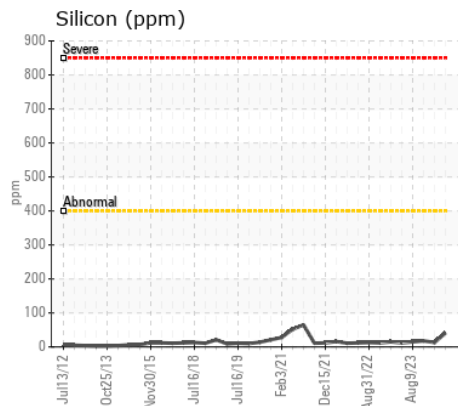
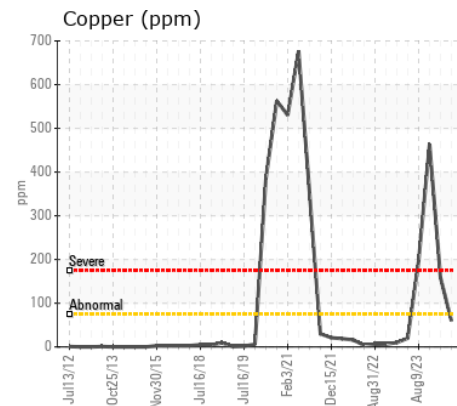
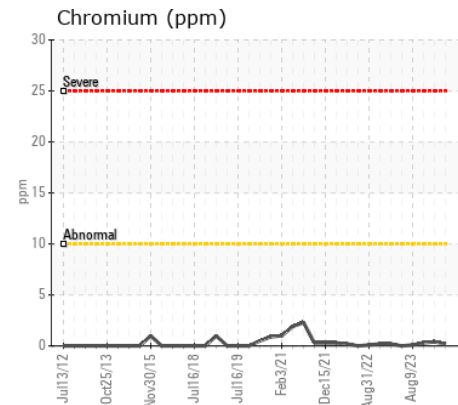
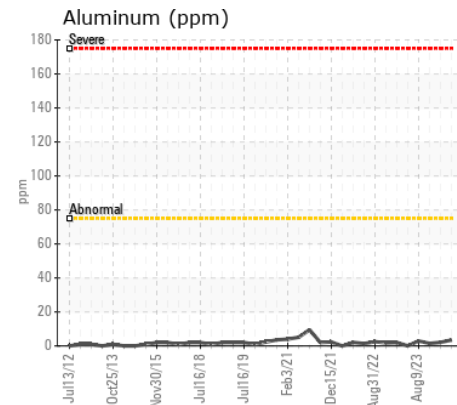
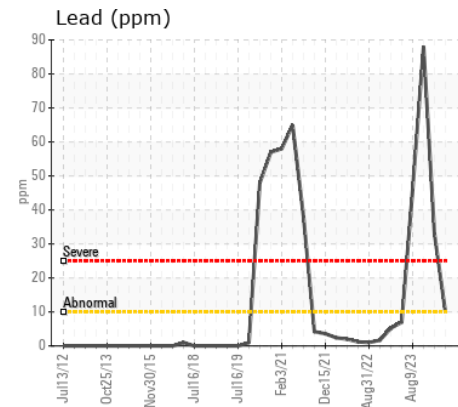
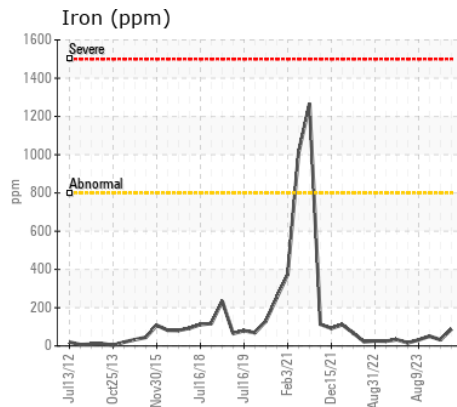
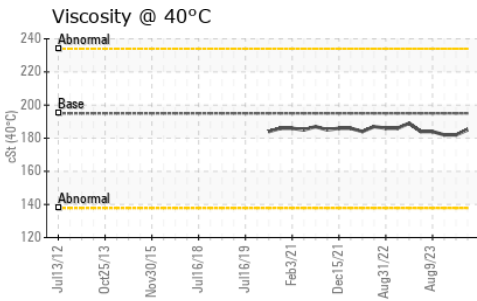
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	41	13	18
Potassium	ppm	ASTM D5185m	>20	<1	2	2
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		1	0	0
Boron	ppm	ASTM D5185m		<1	1	0
Barium	ppm	ASTM D5185m		0	0	9
Molybdenum	ppm	ASTM D5185m		0	2	2
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		16	20	24
Calcium	ppm	ASTM D5185m		3589	3310	3063
Phosphorus	ppm	ASTM D5185m		933	981	996
Zinc	ppm	ASTM D5185m		1084	1173	1223
Sulfur	ppm	ASTM D5185m		5216	7230	7702
Visc @ 40°C	cSt	ASTM D445	195	185	182	182



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0108630
Lab Number : 06230927
Unique Number : 11114420
Test Package : MOB 1

Received : 08 Jul 2024
Tested : 10 Jul 2024
Diagnosed : 10 Jul 2024 - Sean Felton

Kemp Quarries - River Valley - Backbone
 5600 S Hwy 253
 Huntington, AR
 US 72940
 Contact:
 backbone@rivervalleyquarries.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)

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