



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**KOMATSU HAUL TRUCK 6526 (S/N 10125)**

Component  
**Transmission (Manual)**

Fluid  
**TULCO LUBSOIL TO-4 30 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>TO10003042</b>	TO10002077	TO10001596
Sample Date		Client Info		<b>07 Dec 2023</b>	18 Jul 2023	23 Jan 2023
Machine Age	hrs	Client Info		<b>31166</b>	30719	30218
Oil Age	hrs	Client Info		<b>948</b>	501	1038
Filter Age	hrs	Client Info		<b>447</b>	501	520
Oil Changed		Client Info		<b>Changed</b>	Not Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184	>95	<b>16</b>	14	9
Iron	ppm	ASTM D5185m	>200	<b>&lt;1</b>	2	4
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>7	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	2	1
Lead	ppm	ASTM D5185m	>45	<b>0</b>	0	1
Copper	ppm	ASTM D5185m	>225	<b>18</b>	15	25
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

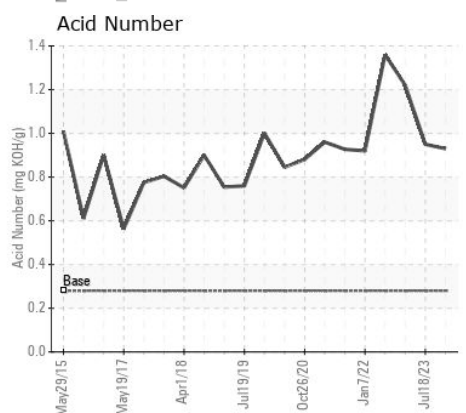
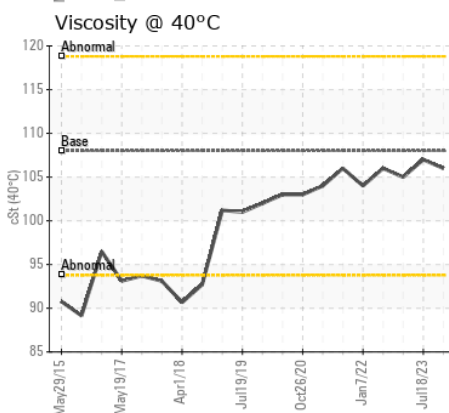
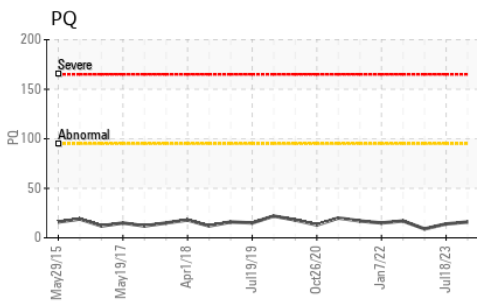
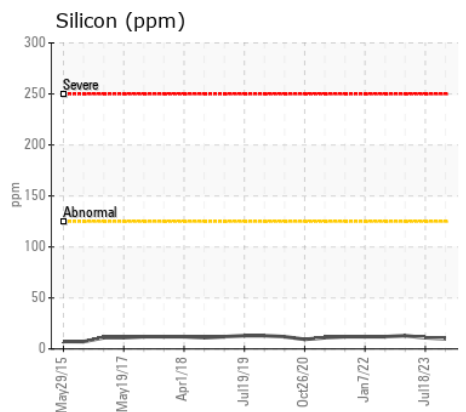
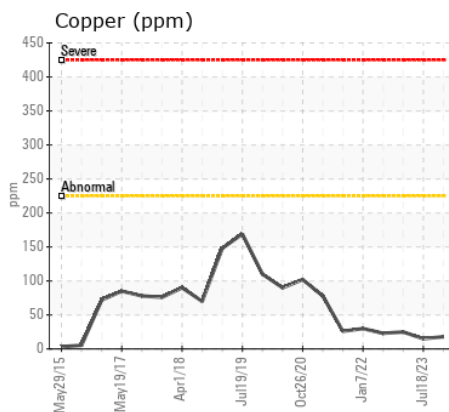
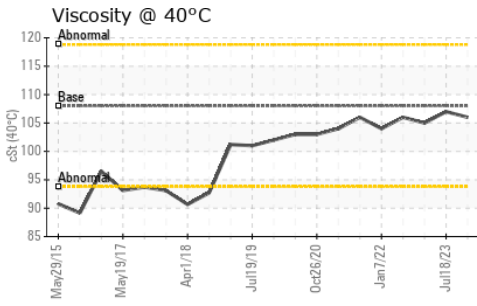
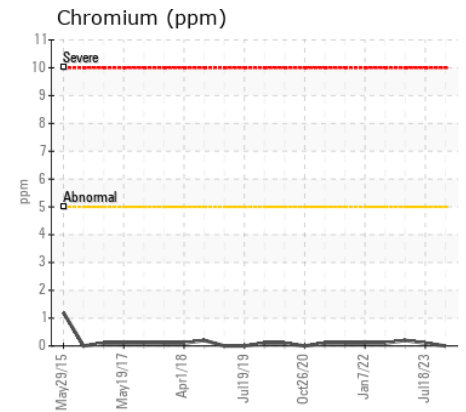
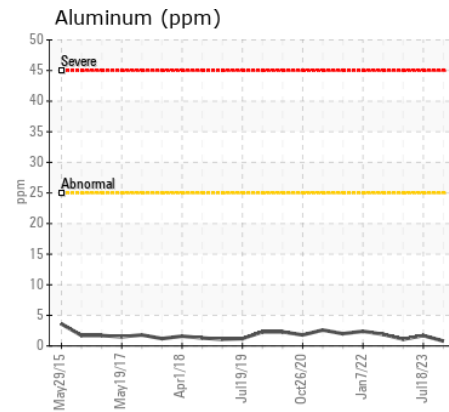
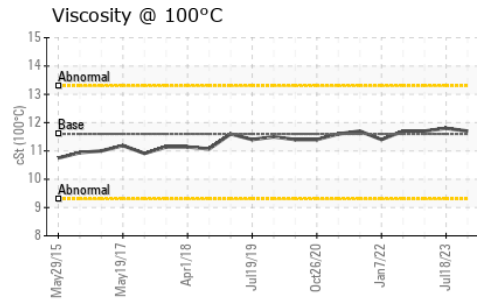
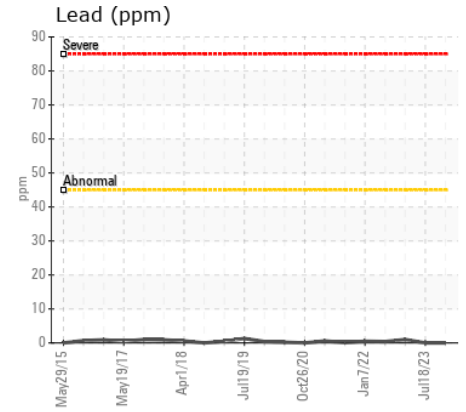
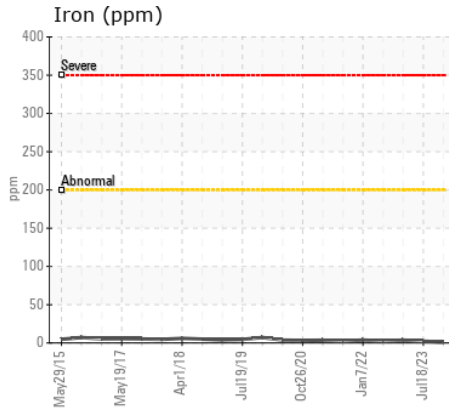
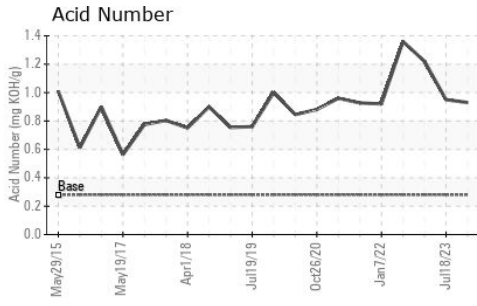
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>10</b>	11	13
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>5</b>	2	2
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	9	<b>12</b>	14	15
Calcium	ppm	ASTM D5185m	4500	<b>2915</b>	3205	3021
Phosphorus	ppm	ASTM D5185m	1150	<b>886</b>	958	865
Zinc	ppm	ASTM D5185m	1250	<b>1067</b>	1209	1075
Sulfur	ppm	ASTM D5185m	4500	<b>4079</b>	5488	4724
Acid Number (AN)	mg KOH/g	ASTM D8045	0.28	<b>0.93</b>	0.95	1.22
Visc @ 40°C	cSt	ASTM D445	108	<b>106</b>	107	105
Visc @ 100°C	cSt	ASTM D445	11.6	<b>11.7</b>	11.8	11.7
Viscosity Index (VI)	Scale	ASTM D2270	94	<b>97</b>	98	98



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO10003042 **Received** : 12 Dec 2023  
**Lab Number** : 06032857 **Tested** : 14 Dec 2023  
**Unique Number** : 10782648 **Diagnosed** : 14 Dec 2023 - Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: KV100, PQ, VI )

**ANCHOR STONE TULSA ROCK**  
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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)