MOB II WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
GUAY SON [CONHER]
Machine Id
BM JLV II
Component
Bottom Transmission (Manual)
Fluid
RALOY SAE 50 (40 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: Fluid: Raloy SAE 50)

WEAR

All component wear rates are normal.

CONTAMINATION

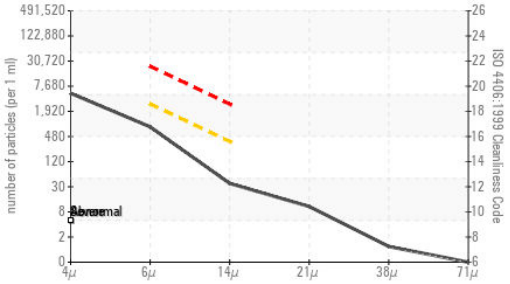
There is no indication of any contamination in the fluid. The amount and size of particulates present in the system are acceptable.

FLUID CONDITION

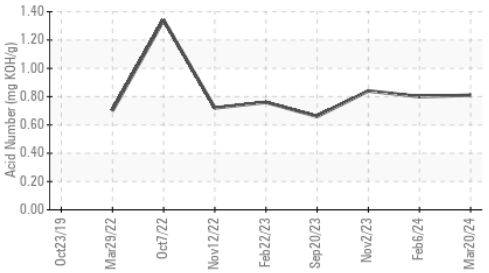
The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KL0014514	KL0014132	KL0013368
Sample Date		Client Info		20 Mar 2024	06 Feb 2024	02 Nov 2023
Machine Age	hrs	Client Info		13526	12867	0
Oil Age	hrs	Client Info		1519	860	258
Filter Age	hrs	Client Info		1519	860	258
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	ATTENTION
Iron	ppm	ASTM D5185m	>200	2	3	0
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>7	0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	<1
Lead	ppm	ASTM D5185m	>45	<1	<1	2
Copper	ppm	ASTM D5185m	>225	3	3	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>125	9	9	7
Potassium	ppm	ASTM D5185m	>20	0	0	1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647		4537	9849	1632
Particles >6µm		ASTM D7647	>2500	717	820	228
Particles >14µm		ASTM D7647	>320	32	37	19
Particles >21µm		ASTM D7647	>80	9	11	7
Particles >38µm		ASTM D7647	>20	1	1	0
Particles >71µm		ASTM D7647	>4	0	1	0
Oil Cleanliness		ISO 4406 (c)	>18/15	17/12	17/12	15/11
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	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		2	<1	<1
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		8	6	8
Calcium	ppm	ASTM D5185m		3457	3174	3368
Phosphorus	ppm	ASTM D5185m		1081	944	1040
Zinc	ppm	ASTM D5185m		943	839	969
Sulfur	ppm	ASTM D5185m		7910	6004	6618
Acid Number (AN)	mg KOH/g	ASTM D8045		0.81	0.80	0.84
Visc @ 40°C	cSt	ASTM D445		162	162	163.6

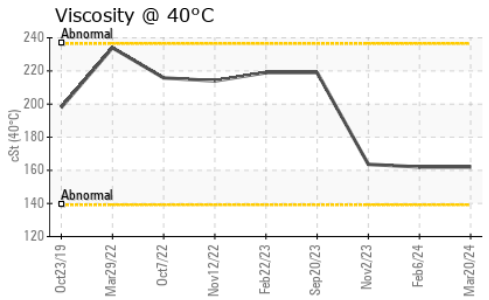
Particle Count



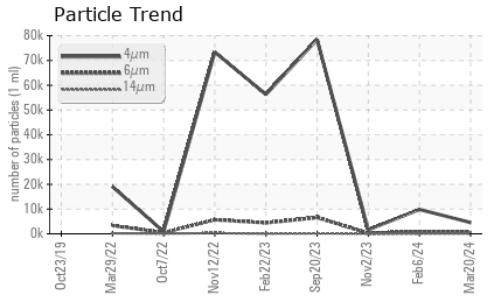
Acid Number



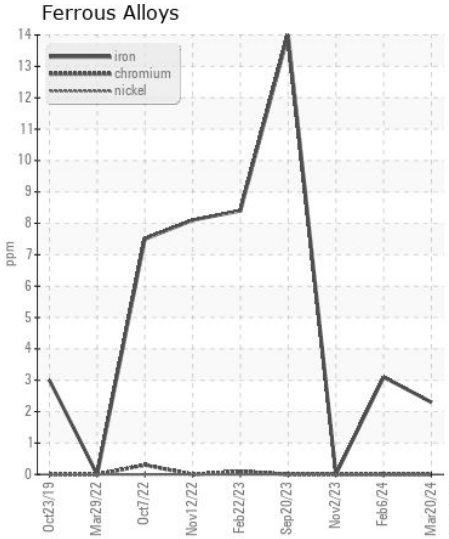
Viscosity @ 40°C



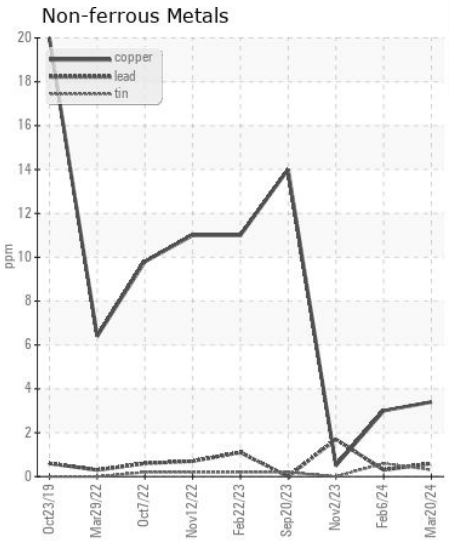
Particle Trend



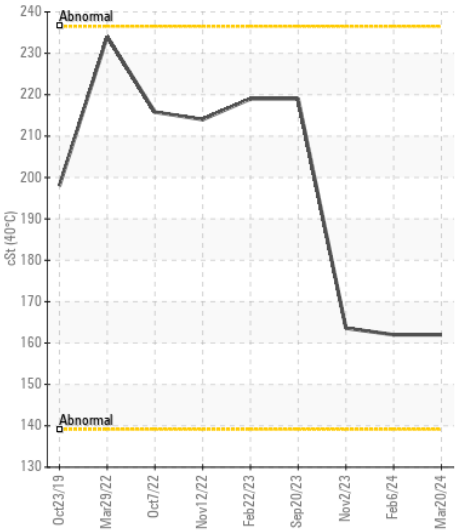
Ferrous Alloys



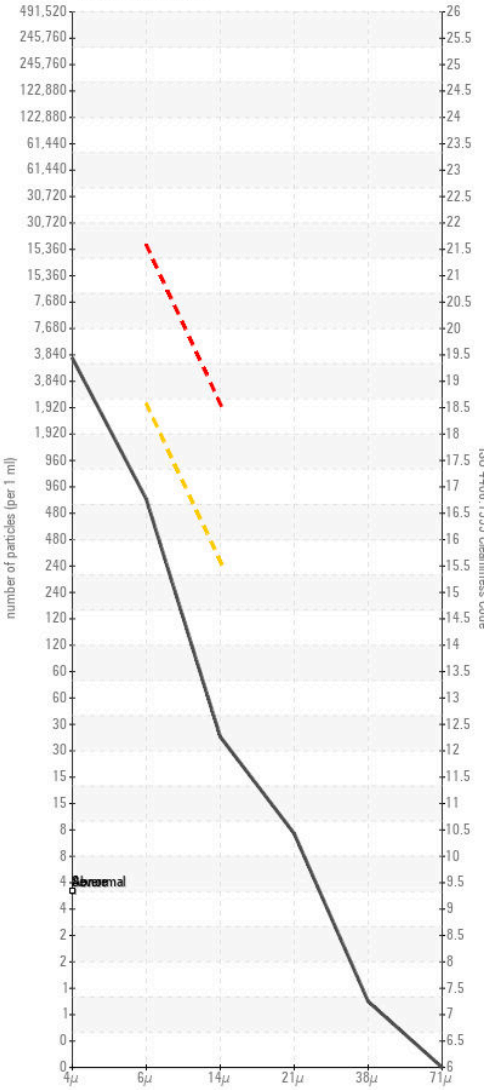
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number