



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
SOUTH HOLLAND
 Machine Id
GEHL RS10 MH2219 (S/N 492219)
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL 10W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		HPL0003810	HPL0003872	HPL0002015
Sample Date		Client Info		09 Jul 2024	14 Mar 2024	02 Dec 2022
Machine Age	hrs	Client Info		2656	2381	2104
Oil Age	hrs	Client Info		0	0	615
Filter Age	hrs	Client Info		0	0	615
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	11	16	72
Chromium	ppm	ASTM D5185m	>20	<1	<1	3
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	5	8	9
Lead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m	>330	2	2	10
Tin	ppm	ASTM D5185m	>15	0	0	1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

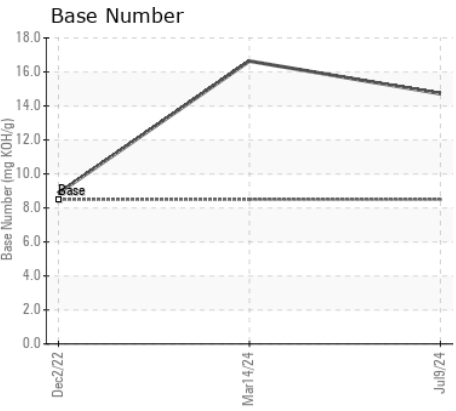
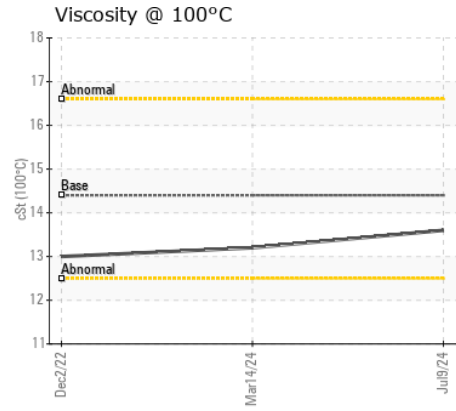
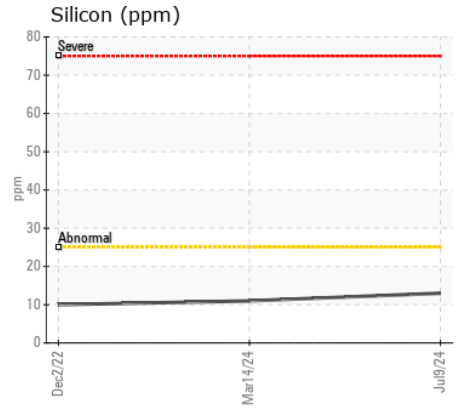
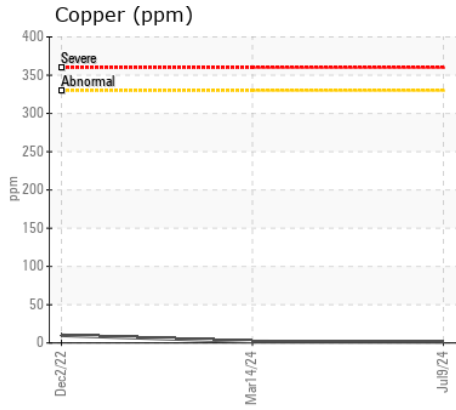
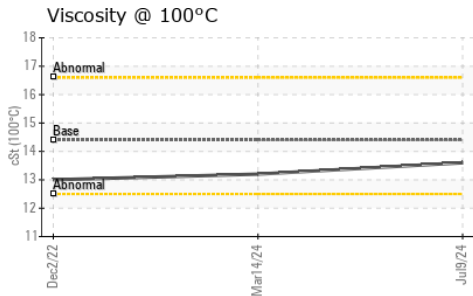
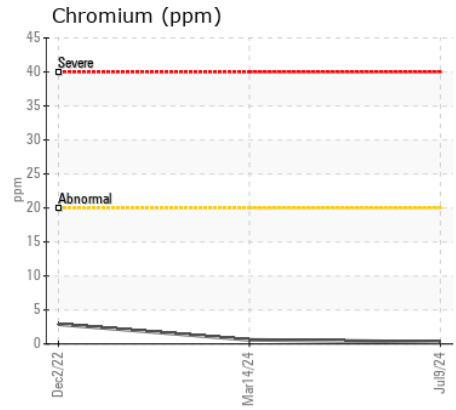
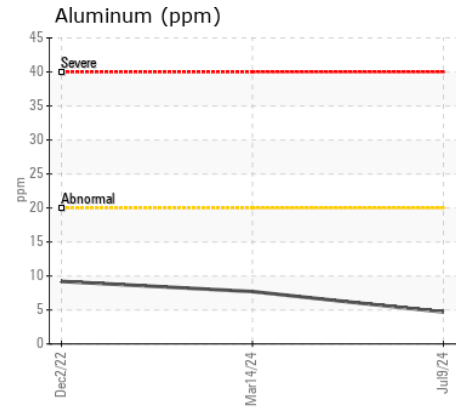
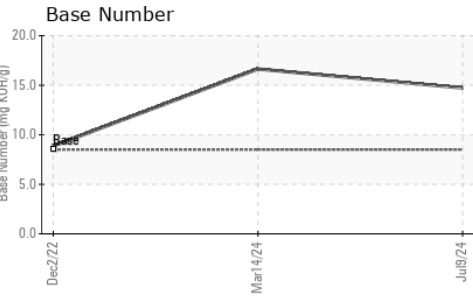
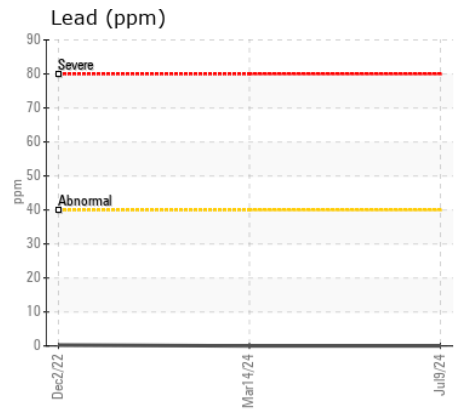
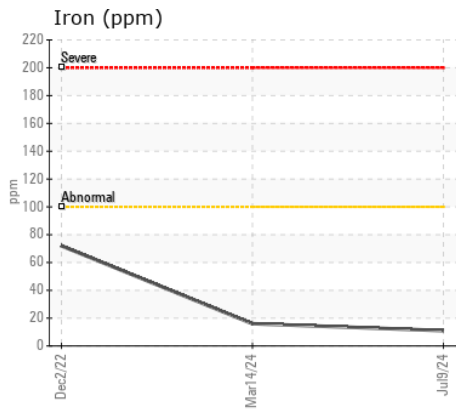
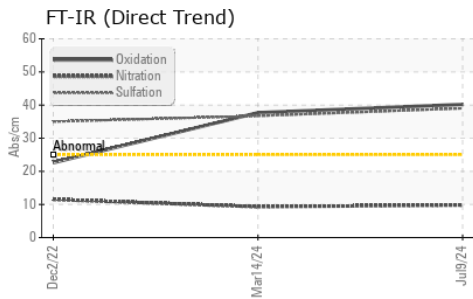
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	13	11	10
Potassium	ppm	ASTM D5185m	>20	0	1	0
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.3
Nitration	Abs/cm	*ASTM D7624	>20	9.8	9.3	11.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	39.0	36.7	35.0
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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		1	1	4
Boron	ppm	ASTM D5185m	250	<1	8	132
Barium	ppm	ASTM D5185m	10	<1	2	2
Molybdenum	ppm	ASTM D5185m	100	548	508	139
Manganese	ppm	ASTM D5185m		<1	<1	2
Magnesium	ppm	ASTM D5185m	450	970	898	478
Calcium	ppm	ASTM D5185m	3000	2693	2446	3502
Phosphorus	ppm	ASTM D5185m	1150	1071	1022	908
Zinc	ppm	ASTM D5185m	1350	1287	1187	1066
Sulfur	ppm	ASTM D5185m	4250	9525	9925	15786
Oxidation	Abs/.1mm	*ASTM D7414	>25	40.2	37.7	22.6
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	14.72	16.64	8.86
Visc @ 100°C	cSt	ASTM D445	14.4	13.6	13.2	13.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : HPL0003810 **Received** : 18 Jul 2024
Lab Number : 06240527 **Tested** : 19 Jul 2024
Unique Number : 11129361 **Diagnosed** : 20 Jul 2024 - Don Baldrige
Test Package : MOB 2

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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)