MOB I

WAJAX POWER SYSTEMS / SYSTÈMES DE PUISSANCE

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
NAVIGATER [288631]
Machine Id
06VF218260
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 40 (--- LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

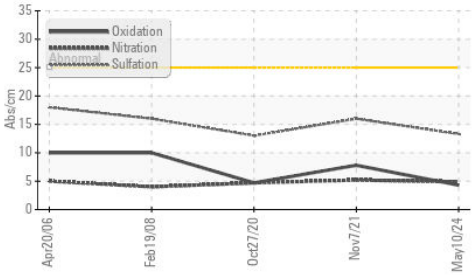
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WA0021441	WA0017191	WA0012362
Sample Date		Client Info		10 May 2024	07 Nov 2021	27 Oct 2020
Machine Age	hrs	Client Info		2123	210	202
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>200	6	5	2
Chromium	ppm	ASTM D5185(m)	>20	0	<1	0
Nickel	ppm	ASTM D5185(m)	>2	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	<1	<1
Silver	ppm	ASTM D5185(m)	>2	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>30	1	<1	<1
Lead	ppm	ASTM D5185(m)	>30	2	1	1
Copper	ppm	ASTM D5185(m)	>30	5	4	7
Tin	ppm	ASTM D5185(m)	>15	1	2	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Silicon	ppm	ASTM D5185(m)	>30	15	6	6
Potassium	ppm	ASTM D5185(m)	>20	5	2	<1
Fuel		WC Method	>3.0	<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	0	0
Nitration	Abs/cm	ASTM D7624*	>20	4.9	5.2	4.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	13.3	16.0	13.0
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)	>216	13	15	4
Boron	ppm	ASTM D5185(m)	250	1	2	5
Barium	ppm	ASTM D5185(m)	10	0	0	0
Molybdenum	ppm	ASTM D5185(m)	100	0	<1	<1
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	8	11	9
Calcium	ppm	ASTM D5185(m)	3000	2559	2307	2635
Phosphorus	ppm	ASTM D5185(m)	1150	604	849	600
Zinc	ppm	ASTM D5185(m)	1350	672	926	709
Sulfur	ppm	ASTM D5185(m)	4250	7875	4336	8112
Oxidation	Abs/.1mm	ASTM D7414*	>25	4.3	7.8	4.7
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	13.5	13.6	14.4

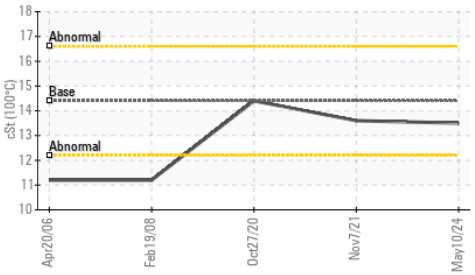
Report Id: HARTOR [WCAMIS] 02635990 (Generated: 05/17/2024 09:51:53) Rev: 1

Contact/Location: David Gilkes - HARTOR

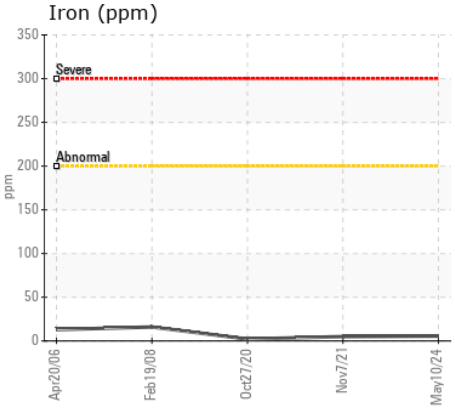
FT-IR (Direct Trend)



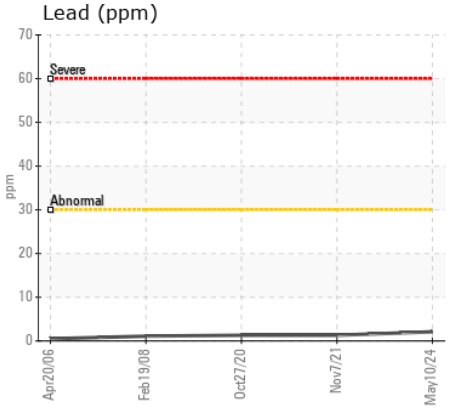
Viscosity @ 100°C



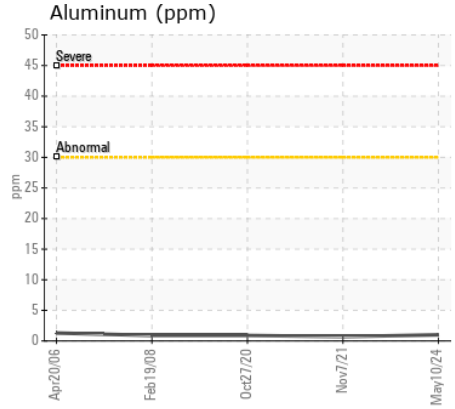
Iron (ppm)



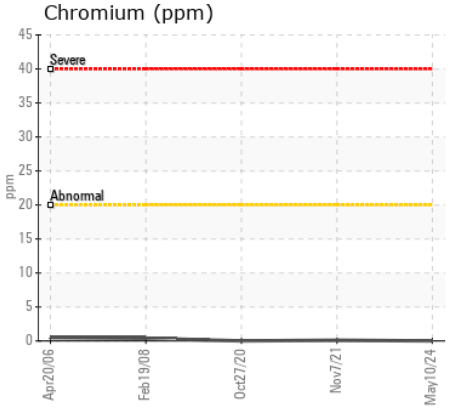
Lead (ppm)



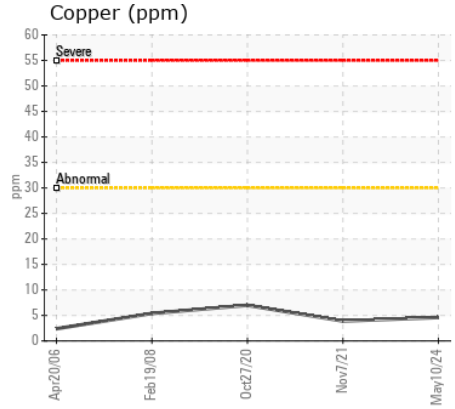
Aluminum (ppm)



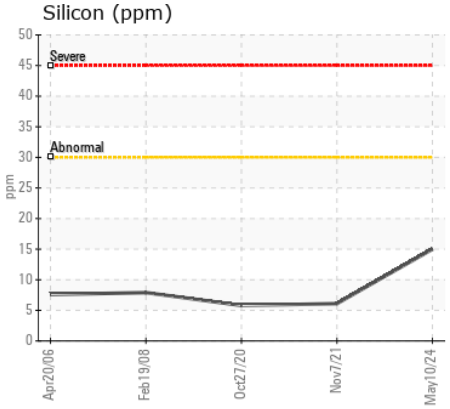
Chromium (ppm)



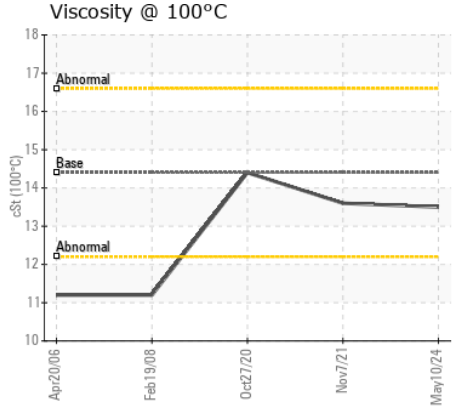
Copper (ppm)



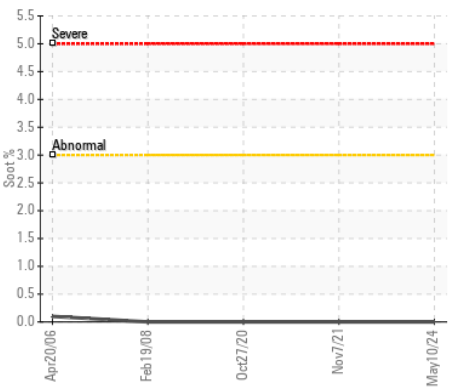
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: WA0021441	**Received**	: 16 May 2024
Lab Number	: 02635990	**Tested**	: 16 May 2024
Unique Number	: 5785152	**Diagnosed**	: 17 May 2024 - Kevin Marson
Test Package	: MOB 1		

To discuss this sample report, contact Customer Service at 1-800-268-2131.
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
Validity of results and interpretation are based on the sample and information as supplied.

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