MOB

WAJAX POWER SYSTEMS SYSTÈMES DE PUISSANCE

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
SOUTHLAKE HOSPITAL - POWER PLANT [273409]
Machine Id
STAMFORD 0110442/01 SOUTHLAKE - 750KW at 600V
Component
Diesel Engine
Fluid
CASTROL 15W40 (90 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

Metal levels are typical for a new component breaking in.

CONTAMINATION

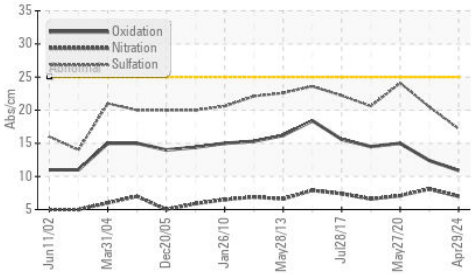
There is no indication of any contamination in the oil.

FLUID CONDITION

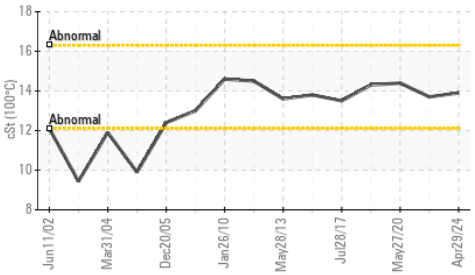
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WA0020682	WA0018124	WA0013637
Sample Date		Client Info		29 Apr 2024	14 Jun 2022	27 May 2020
Machine Age	hrs	Client Info		802	706	501
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>100	3	3	1
Chromium	ppm	ASTM D5185(m)	>20	0	0	<1
Nickel	ppm	ASTM D5185(m)	>4	0	0	<1
Titanium	ppm	ASTM D5185(m)		<1	<1	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>40	0	<1	<1
Copper	ppm	ASTM D5185(m)	>330	1	2	1
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Silicon	ppm	ASTM D5185(m)	>25	1	4	1
Potassium	ppm	ASTM D5185(m)	>20	<1	1	<1
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	0	0
Nitration	Abs/cm	ASTM D7624*	>20	7.0	8.1	7.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.2	20.5	24.1
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)	>406	2	2	<1
Boron	ppm	ASTM D5185(m)		9	10	13
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		8	9	52
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		29	67	844
Calcium	ppm	ASTM D5185(m)		2351	2350	1219
Phosphorus	ppm	ASTM D5185(m)		914	948	1069
Zinc	ppm	ASTM D5185(m)		1035	1073	1218
Sulfur	ppm	ASTM D5185(m)		3053	3231	2878
Oxidation	Abs/.1mm	ASTM D7414*	>25	10.9	12.4	15.0
Visc @ 100°C	cSt	ASTM D7279(m)		13.9	13.7	14.4

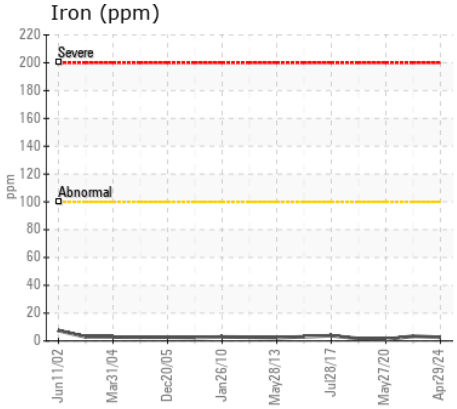
FT-IR (Direct Trend)



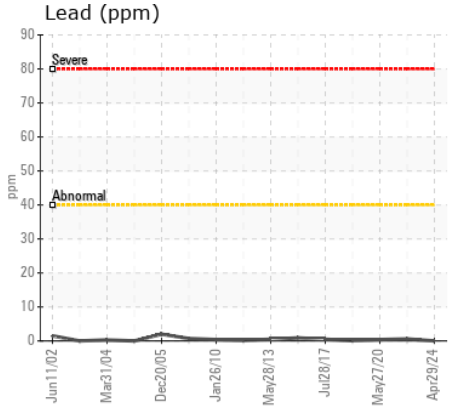
Viscosity @ 100°C



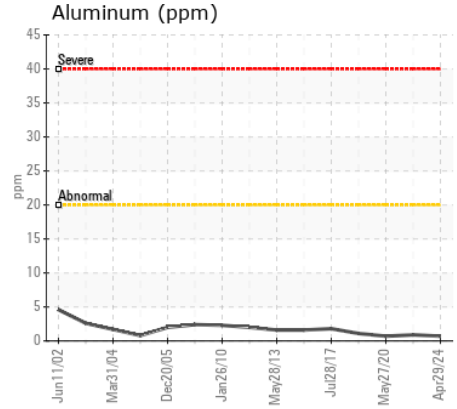
Iron (ppm)



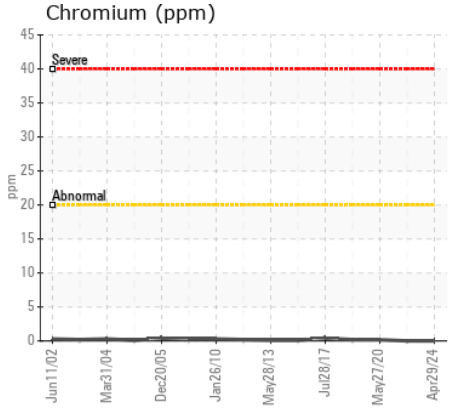
Lead (ppm)



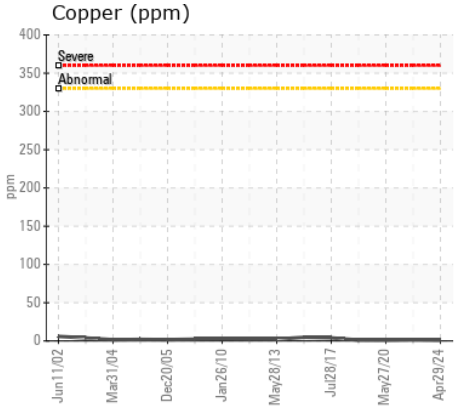
Aluminum (ppm)



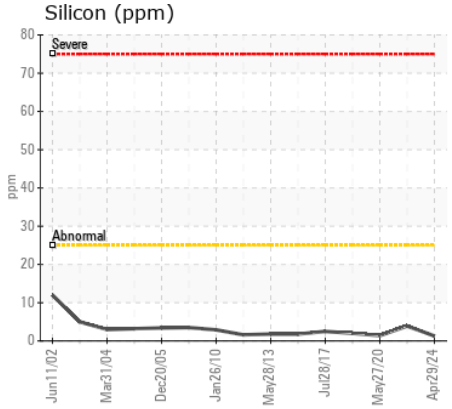
Chromium (ppm)



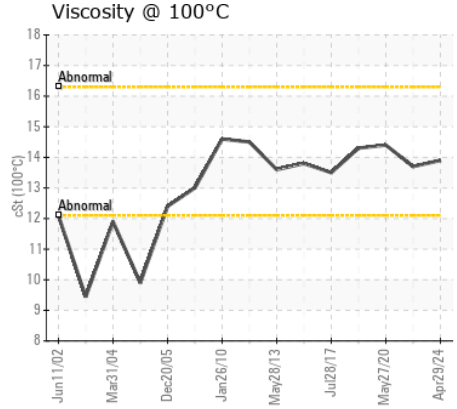
Copper (ppm)



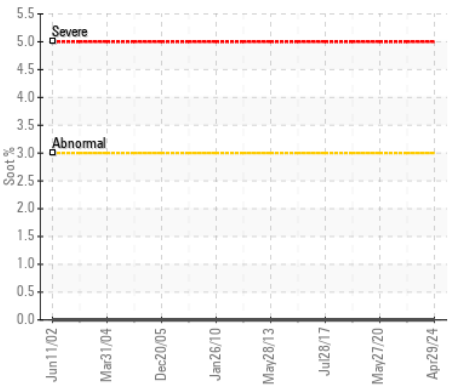
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0020682
Lab Number : 02633727
Unique Number : 5774880
Test Package : MOB 1

Received : 06 May 2024
Tested : 06 May 2024
Diagnosed : 06 May 2024 - Wes Davis

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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