MOB II

WAJAX POWER SYSTEMS SYSTÈMES DE PUISSANCE

OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PREVOST 2703
Component
Diesel Engine
Fluid
TOTAL RUBIA OPTIMA 1100 FE 10W30 (--- GAL)

RECOMMENDATION

Nous vous recommandons de vidanger l`huile de ce composant si vous ne l`avez pas déjà fait. Nous vous recommandons d`échantillonner de nouveau dès que possible afin de contrôler la situation.

WEAR

Usure de la soupape d`échappement.

CONTAMINATION

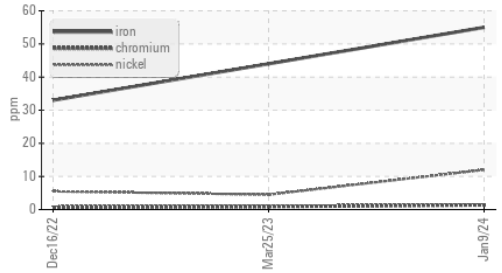
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n`y a aucun indice de contamination dans l`huile.

FLUID CONDITION

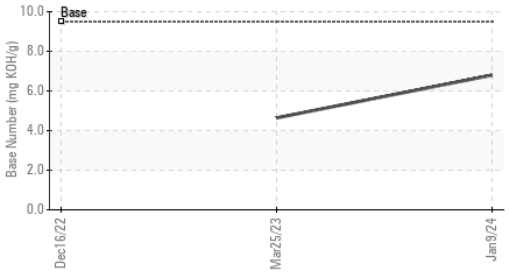
Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l`huile. l`huile n'est plus en état de service en raison d'une usure anomale et/ou sévère.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WA0020705**	WA0019659	WA0018362
Sample Date		Client Info		**09 Jan 2024**	25 Mar 2023	16 Dec 2022
Machine Age	kms	Client Info		**297820**	0	0
Oil Age	kms	Client Info		**0**	71508	0
Filter Age	kms	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Filter Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**SEVERE**	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185(m)	>100	**55**	44	33
Chromium	ppm	ASTM D5185(m)	>20	**1**	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	**12**	▲ 4	▲ 6
Titanium	ppm	ASTM D5185(m)		**0**	<1	<1
Silver	ppm	ASTM D5185(m)	>3	**<1**	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	**4**	3	3
Lead	ppm	ASTM D5185(m)	>40	**4**	4	4
Copper	ppm	ASTM D5185(m)	>330	**15**	19	48
Tin	ppm	ASTM D5185(m)	>15	**2**	3	3
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Silicon	ppm	ASTM D5185(m)	>25	**6**	6	10
Potassium	ppm	ASTM D5185(m)	>20	**8**	2	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	**0.8**	0.5	0.4
Nitration	Abs/cm	ASTM D7624*	>20	**12.2**	11.5	11.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	**27.5**	27.6	25.1
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185(m)		**3**	3	2
Boron	ppm	ASTM D5185(m)		**5**	8	9
Barium	ppm	ASTM D5185(m)		**0**	0	0
Molybdenum	ppm	ASTM D5185(m)		**85**	83	81
Manganese	ppm	ASTM D5185(m)		**<1**	1	1
Magnesium	ppm	ASTM D5185(m)		**182**	153	290
Calcium	ppm	ASTM D5185(m)		**2125**	2307	2099
Phosphorus	ppm	ASTM D5185(m)		**991**	1051	989
Zinc	ppm	ASTM D5185(m)		**1177**	1159	1129
Sulfur	ppm	ASTM D5185(m)		**2761**	2908	2586
Oxidation	Abs/.1mm	ASTM D7414*	>25	**21.8**	21.0	19.3
Base Number (BN)	mg KOH/g	ASTM D2896*	9.5	**6.80**	4.64	---
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	**11.6**	11.8	12.0

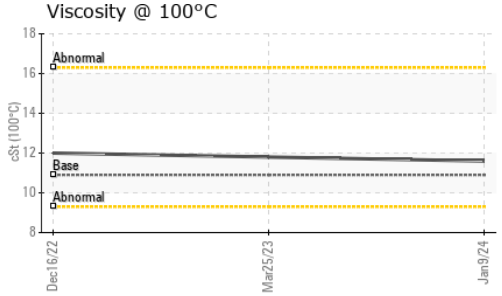
Ferrous Alloys



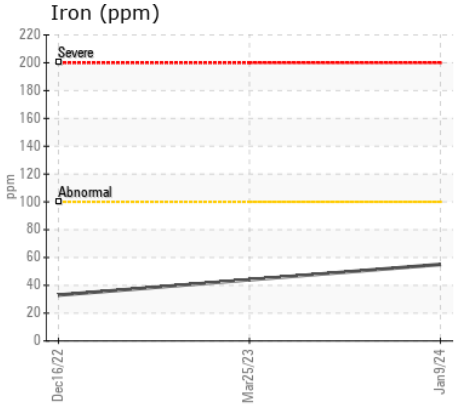
Base Number



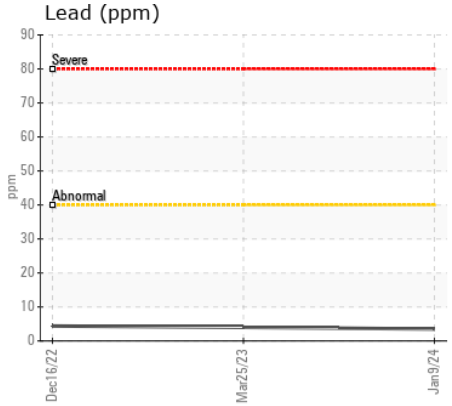
Viscosity @ 100°C



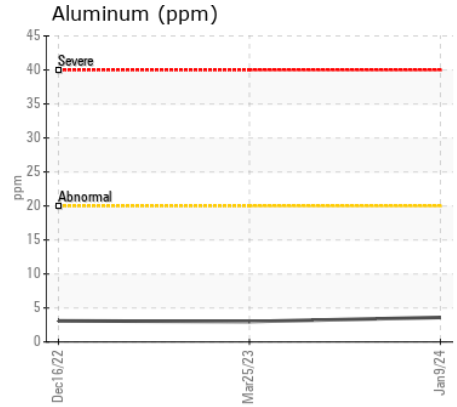
Iron (ppm)



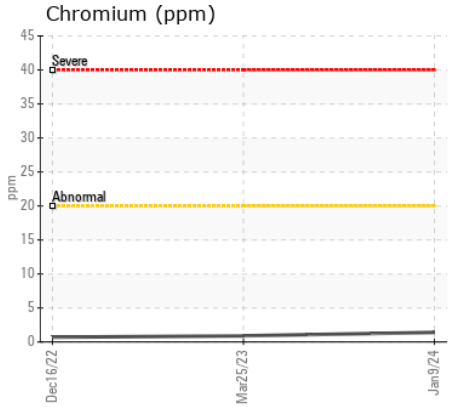
Lead (ppm)



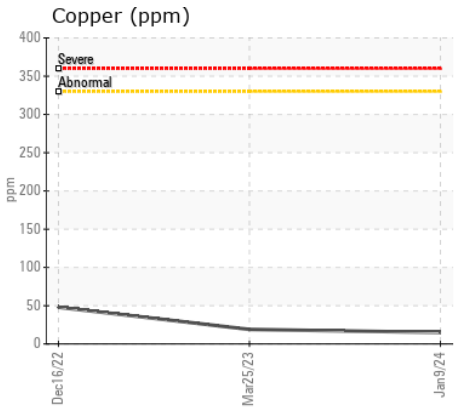
Aluminum (ppm)



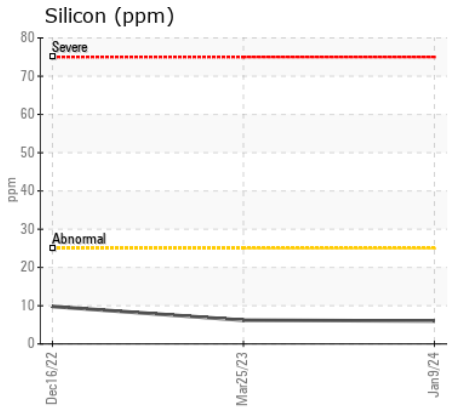
Chromium (ppm)



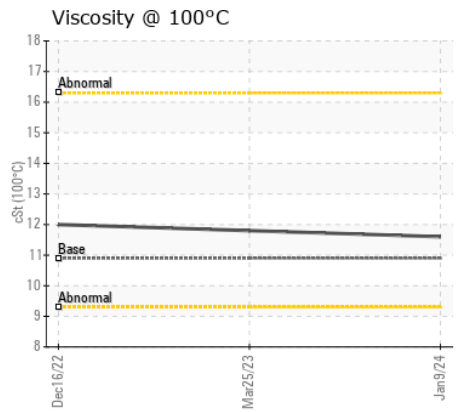
Copper (ppm)



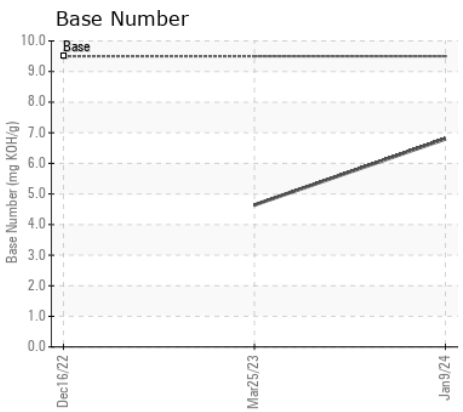
Silicon (ppm)



Viscosity @ 100°C



Base Number



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: WA0020705	**Recieved**	: 11 Jan 2024
Lab Number	: 02608093	**Diagnosed**	: 15 Jan 2024
Unique Number	: 5709179	**Diagnostician**	: Kevin Marson
Test Package	: MOB 2		

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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