



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

INTERNATIONAL 52910

Composant

Moteur diesel

Fluide

DIESEL ENGINE OIL SAE 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0836030	WC0813014	WC0787334
Date d'échant.		Client Info		07 Sep 2023	16 Jun 2023	05 Apr 2023
Âge d la Machine	mls	Client Info		102013	69475	34599
Âge de l'huile	mls	Client Info		43128	35241	0
Âge du filtre	mls	Client Info		43128	35241	0
Huile changée		Client Info		Changed	N/A	N/A
Filtre changé		Client Info		Changed	N/A	N/A
Statut de l'échant.				NORMAL	NORMAL	NORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	20	22	66
Chrome	ppm	ASTM D5185(m)	>20	1	1	2
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titane	ppm	ASTM D5185(m)		0	0	<1
Argent	ppm	ASTM D5185(m)	>3	<1	<1	<1
Aluminium	ppm	ASTM D5185(m)	>20	11	10	13
Plomb	ppm	ASTM D5185(m)	>40	2	2	5
Cuivre	ppm	ASTM D5185(m)	>330	2	5	28
Étain	ppm	ASTM D5185(m)	>15	1	2	3
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

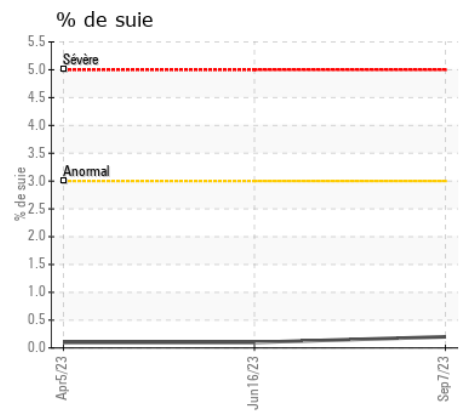
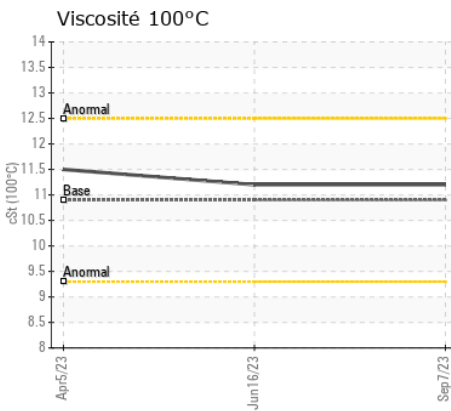
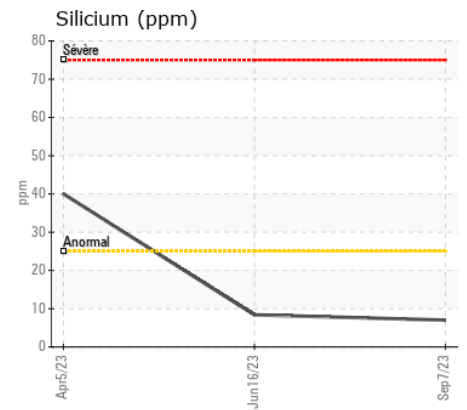
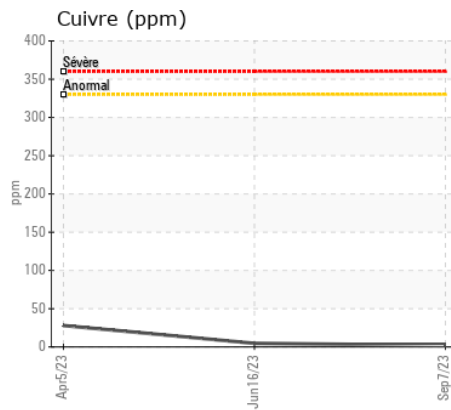
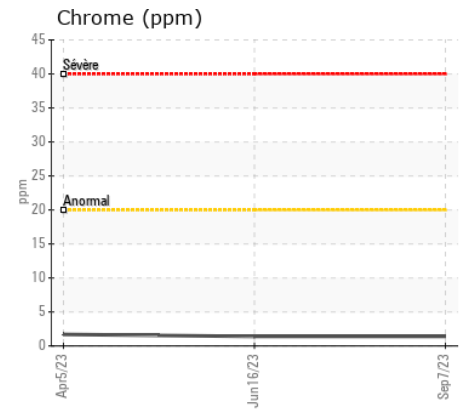
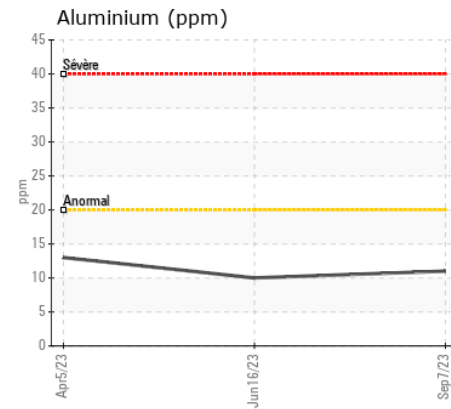
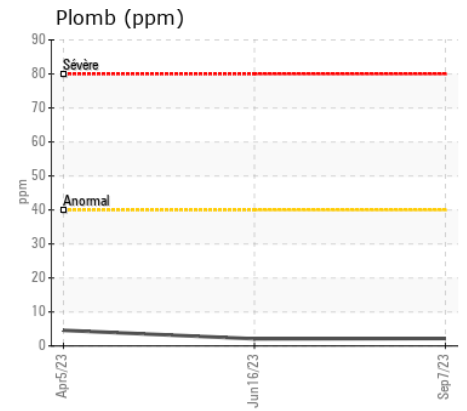
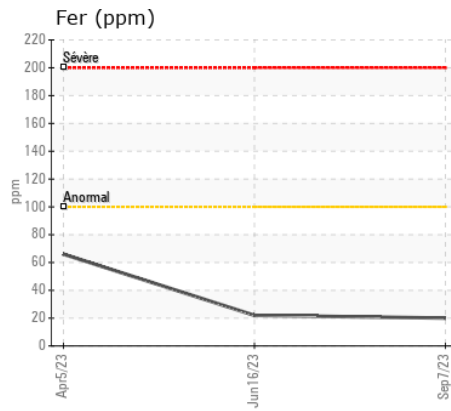
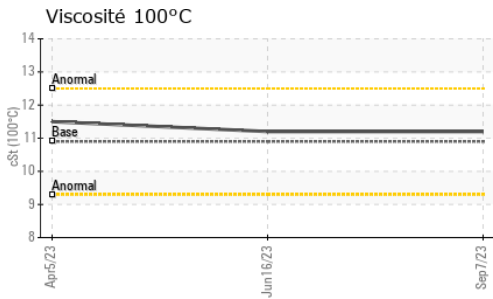
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	7	8	40
Potassium	ppm	ASTM D5185(m)	>20	30	27	51
Essence		WC Method	>2.0	<1.0	<1.0	0.8
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>3	0.2	0.1	0.1
Nitration	Abs/cm	ASTM D7624*	>20	8.6	8.5	9.1
Sulfatation	Abs/.1mm	ASTM D7415*	>30	20.8	20.4	21.8
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

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

Sodium	ppm	ASTM D5185(m)		2	2	4
Bore	ppm	ASTM D5185(m)	250	2	6	56
Baryum	ppm	ASTM D5185(m)	10	<1	<1	5
Molybdène	ppm	ASTM D5185(m)	100	61	61	65
Manganèse	ppm	ASTM D5185(m)		0	<1	5
Magnésium	ppm	ASTM D5185(m)	450	997	967	455
Calcium	ppm	ASTM D5185(m)	3000	1146	1137	1896
Phosphore	ppm	ASTM D5185(m)	1150	1038	1053	1054
Zinc	ppm	ASTM D5185(m)	1350	1250	1225	1222
Soufre	ppm	ASTM D5185(m)	4250	2466	2431	2540
Oxydation	Abs/.1mm	ASTM D7414*	>25	16.7	16.4	18.5
Visc 100°C	cSt	ASTM D7279(m)	10.9	11.2	11.2	11.5



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0836030
N° de laboratoire : 02589263
Numéro unique : 5658329
Analyse : MOB 1

Reçu : 16 Oct 2023
Diagnostiqué : 16 Oct 2023
Diagnostiqueur : Kevin Marson

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Pour discuter ce rapport, contacter le service à la clientèle au 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.