



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ABNORMAL

Area
PROLAI TRANSPORT [7359]
 Machine Id
190
 Component
Diesel Engine
 Fluid
TOTAL FINA RUBIA TIR 7900 15W40 (--- GAL)

RECOMMENDATION

Nous vous recommandons de vérifier la possibilité d'une mauvaise combustion et d'une surchauffe possible. Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CU0021545	CU0021548	CU0020522
Sample Date		Client Info		08 Jan 2024	10 Jul 2023	13 Jun 2023
Machine Age	kms	Client Info		707129	629465	617955
Oil Age	kms	Client Info		45000	45000	11555
Filter Age	kms	Client Info		45000	45000	11555
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		Changed	Changed	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Les taux d'usure de tous les composants sont normaux.

Iron	ppm	ASTM D5185(m)	>90	52	20	14
Chromium	ppm	ASTM D5185(m)	>20	1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<1	0	0
Titanium	ppm	ASTM D5185(m)	>2	0	<1	<1
Silver	ppm	ASTM D5185(m)	>2	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	7	6	6
Lead	ppm	ASTM D5185(m)	>40	18	4	2
Copper	ppm	ASTM D5185(m)	>330	2	1	<1
Tin	ppm	ASTM D5185(m)	>15	2	2	1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

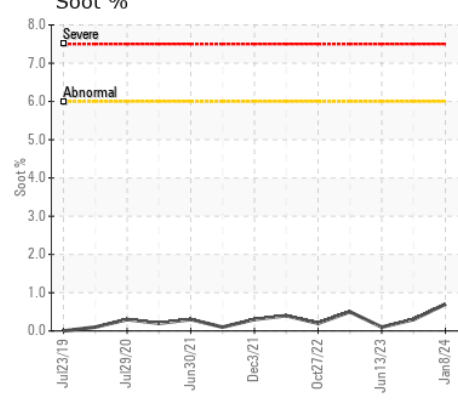
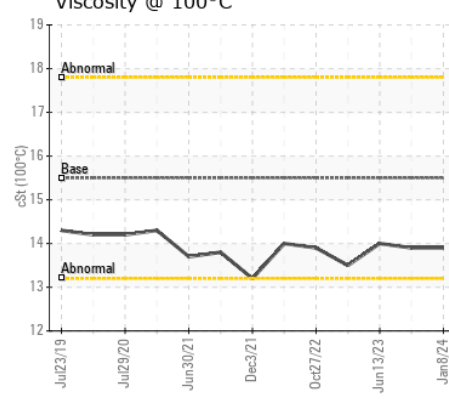
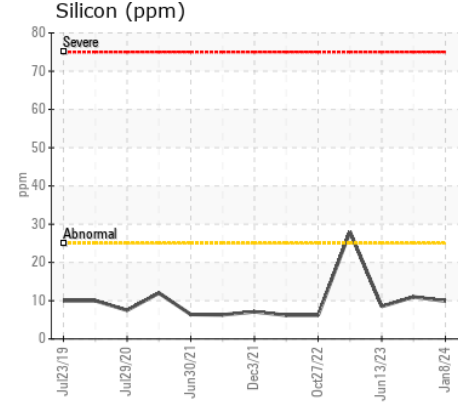
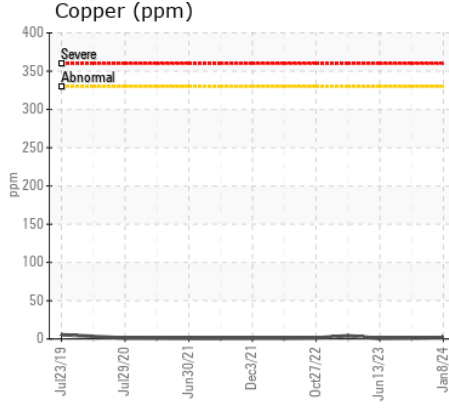
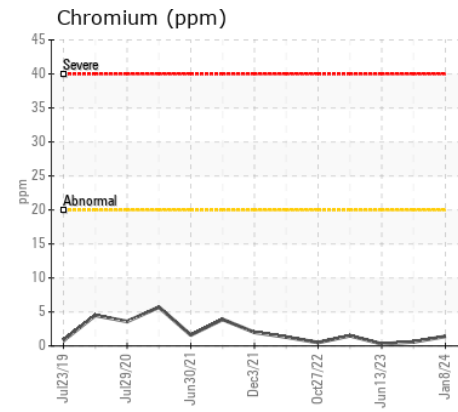
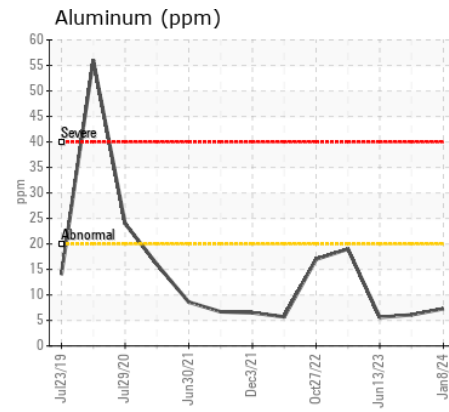
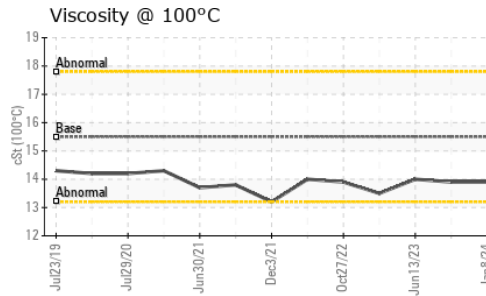
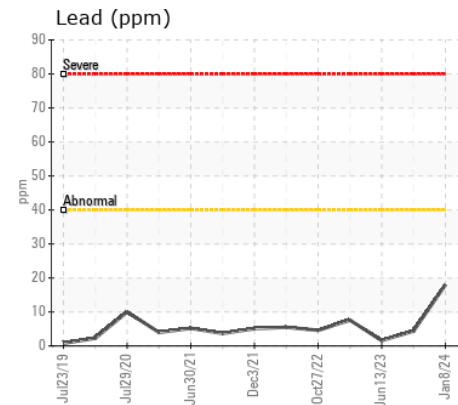
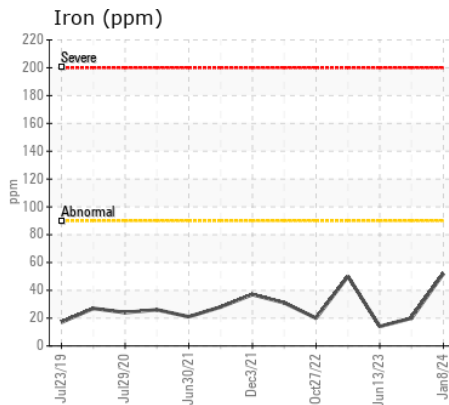
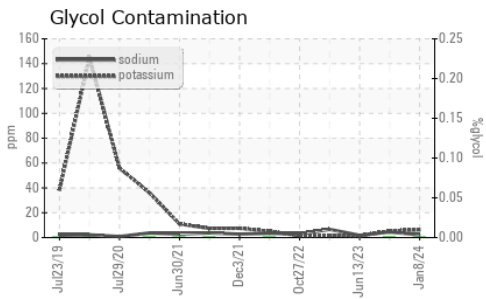
Il y a indication d'une présence anormale de sulfatation.

Silicon	ppm	ASTM D5185(m)	>25	10	11	8
Potassium	ppm	ASTM D5185(m)	>20	6	5	1
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	0.0	NEG
Soot %	%	ASTM D7844*	>6	0.7	0.3	0.1
Nitration	Abs/cm	ASTM D7624*	>20	14.2	12.6	10.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	▲ 34.0	25.1	20.6
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

Il y a une légère oxydation de l'huile. l'huile ne peut plus être utilisée.

Sodium	ppm	ASTM D5185(m)		2	4	2
Boron	ppm	ASTM D5185(m)		22	18	35
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		101	86	85
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)		70	178	170
Calcium	ppm	ASTM D5185(m)	3290	2476	2050	2239
Phosphorus	ppm	ASTM D5185(m)	1200	1097	1129	1124
Zinc	ppm	ASTM D5185(m)	1400	1289	1235	1241
Sulfur	ppm	ASTM D5185(m)	4000	3250	2998	3245
Oxidation	Abs/.1mm	ASTM D7414*	>25	▲ 28.9	20.7	16.9
Visc @ 100°C	cSt	ASTM D7279(m)	15.5	13.9	13.9	14.0



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0021545 **Received** : 11 Jan 2024
Lab Number : 02608148 **Diagnosed** : 12 Jan 2024
Unique Number : 5709234 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: Glycol)

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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