

OIL ANALYSIS REPORT

Sample Rating Trend

GLYCOL



Area
JOYGLOBAL [241561]
Machine Id
873901510291
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)



DIAGNOSIS

Recommendation
Nous vous recommandons de vérifier la source de la fuite de fluide de refroidissement. Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Le fluide n'était pas spécifié, toutefois, une comparaison avec d'autres fluides indiquent que ce fluide est du (GENERIC) DIESEL ENGINE OIL SAE 15W40. Veuillez confirmer.

Wear
Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Contamination
Le test de glycol est positif. Concentration élevée de glycol dans l'huile.

Fluid Condition
Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. Le AN est acceptable pour ce fluide. l'huile ne peut plus être utilisée en raison de la présence de contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WA0021280	---	---
Sample Date	Client Info		10 Jun 2024	---	---
Machine Age	hrs	Client Info	95	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			SEVERE	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	---	---
Water	WC Method	>0.2	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >100	53	---	---
Chromium	ppm	ASTM D5185(m) >20	1	---	---
Nickel	ppm	ASTM D5185(m) >4	<1	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m) >3	6	---	---
Aluminum	ppm	ASTM D5185(m) >20	6	---	---
Lead	ppm	ASTM D5185(m) >40	26	---	---
Copper	ppm	ASTM D5185(m) >330	25	---	---
Tin	ppm	ASTM D5185(m) >15	1	---	---
Antimony	ppm	ASTM D5185(m)	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	4	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 250	6	---	---
Barium	ppm	ASTM D5185(m) 10	<1	---	---
Molybdenum	ppm	ASTM D5185(m) 100	54	---	---
Manganese	ppm	ASTM D5185(m)	<1	---	---
Magnesium	ppm	ASTM D5185(m) 450	775	---	---
Calcium	ppm	ASTM D5185(m) 3000	1558	---	---
Phosphorus	ppm	ASTM D5185(m) 1150	989	---	---
Zinc	ppm	ASTM D5185(m) 1350	1161	---	---
Sulfur	ppm	ASTM D5185(m) 4250	2945	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

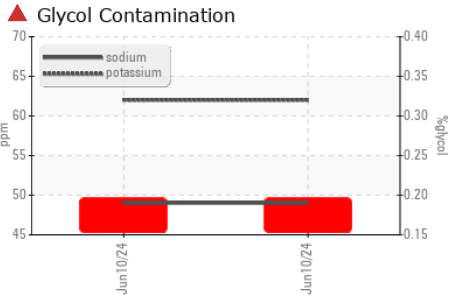
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	30	---	---
Sodium	ppm	ASTM D5185(m) >158	49	---	---
Potassium	ppm	ASTM D5185(m) >20	62	---	---
Glycol	%	ASTM D7922*	0.197	---	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	1.1	---	---
Nitration	Abs/cm	ASTM D7624* >20	8.2	---	---
Sulfation	Abs./1mm	ASTM D7415* >30	21.6	---	---

OIL ANALYSIS REPORT

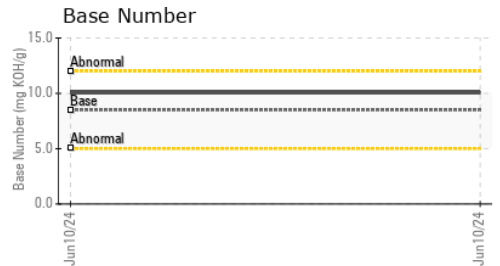
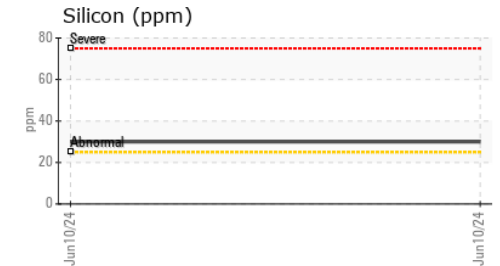
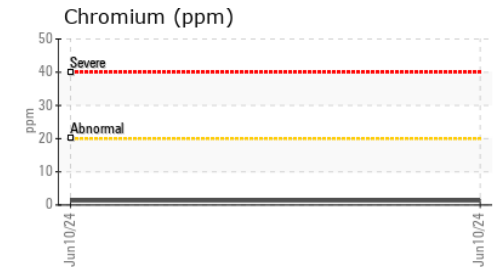
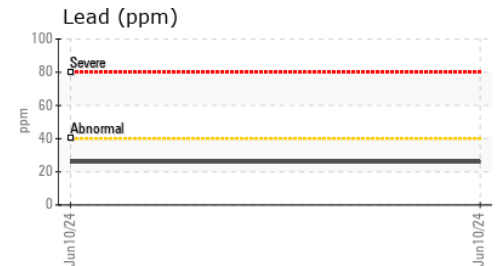
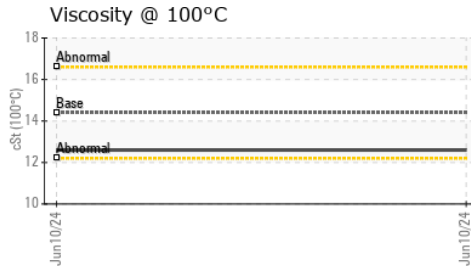
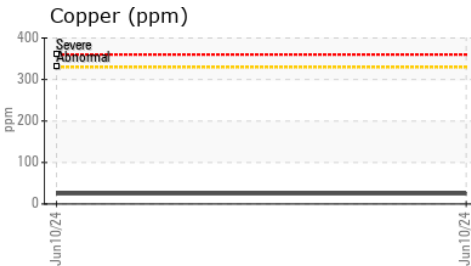
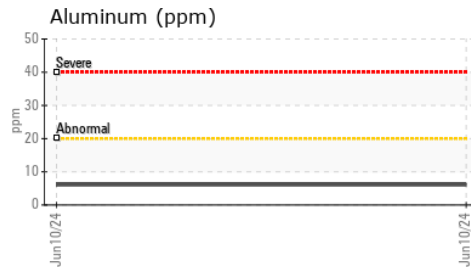
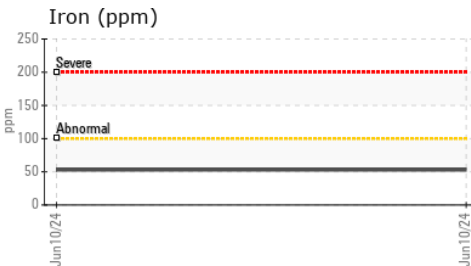
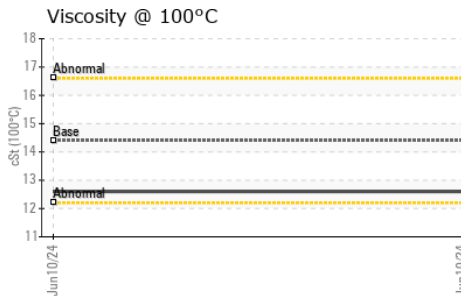
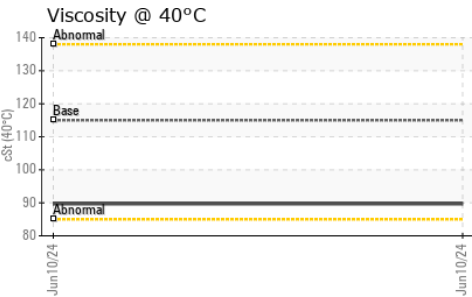
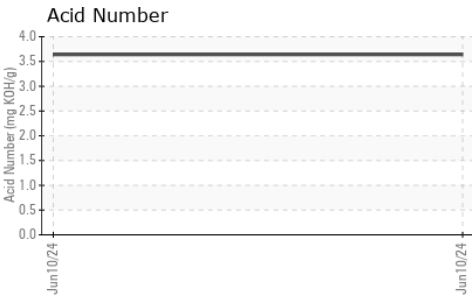
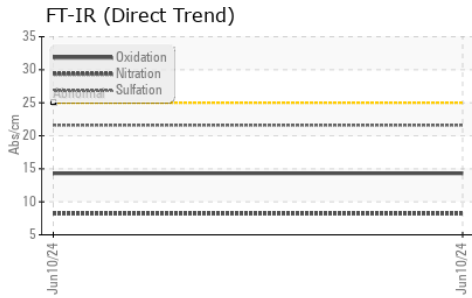


FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	14.3	---
Acid Number (AN)	mg KOH/g	ASTM D974*		3.64	---
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	10.06	---

VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	115	89.7	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	12.6	---
Viscosity Index (VI)	Scale	ASTM D2270*	126	136	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0021280 **Received** : 13 Jun 2024
Lab Number : 02641586 **Tested** : 14 Jun 2024
Unique Number : 5799125 **Diagnosed** : 14 Jun 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: Glycol, KV40, TAN Auto, TAN Man, VI)

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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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