



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**Store 9 - Marietta [111757]**  
Machine Id  
**PRINOTH T12 935300161**  
Component  
**Diesel Engine**  
Fluid  
**DIESEL ENGINE OIL SAE 15W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0019615</b>	LEC0008287	---
Sample Date		Client Info		<b>30 Dec 2020</b>	21 Nov 2019	---
Machine Age	hrs	Client Info		<b>983</b>	555	---
Oil Age	hrs	Client Info		<b>332</b>	555	---
Filter Age	hrs	Client Info		<b>332</b>	555	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>100	<b>64</b>	57	---
Chromium	ppm	ASTM D5185m	>20	<b>4</b>	4	---
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>20	<b>14</b>	10	---
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m	>330	<b>6</b>	13	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

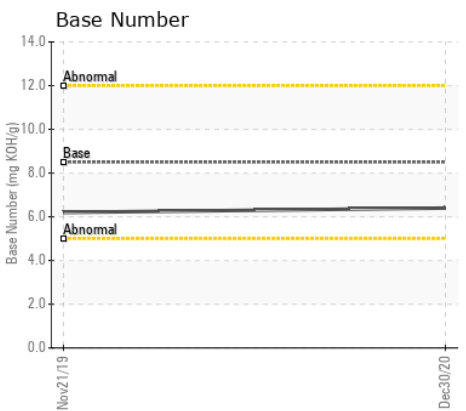
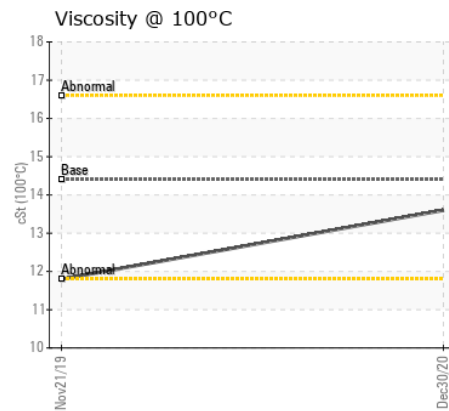
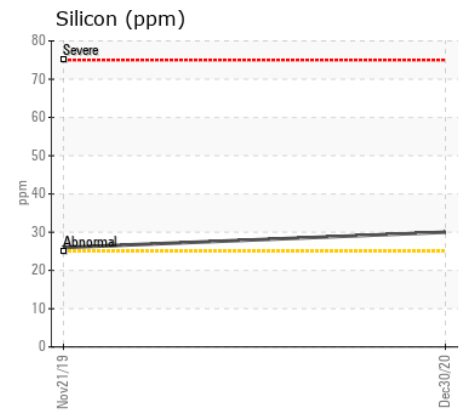
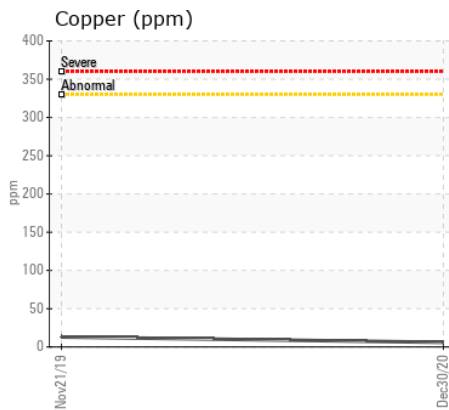
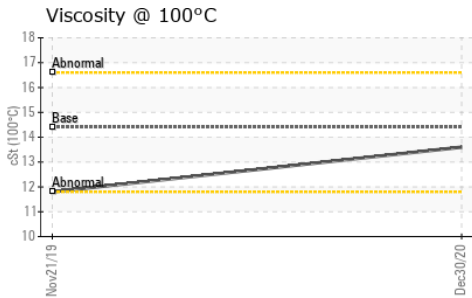
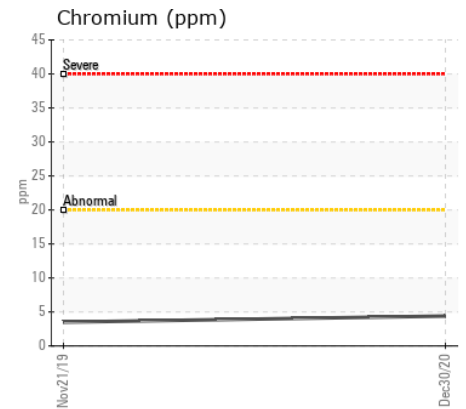
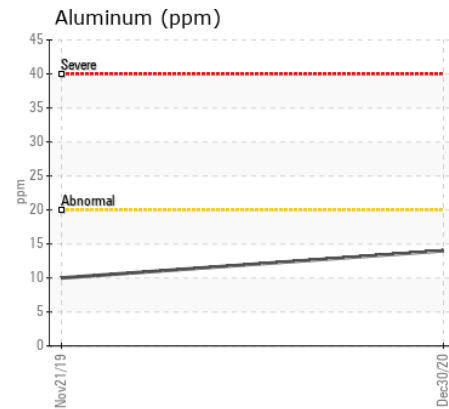
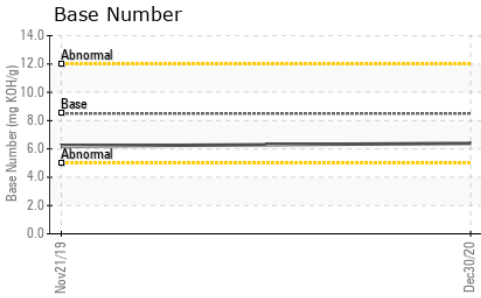
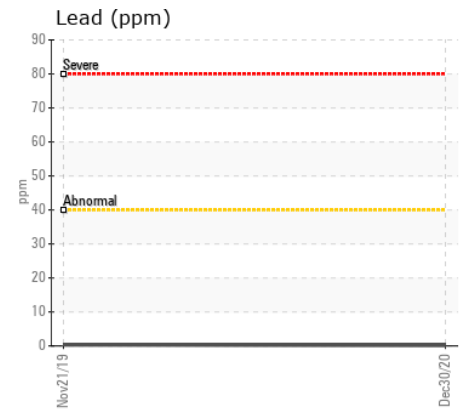
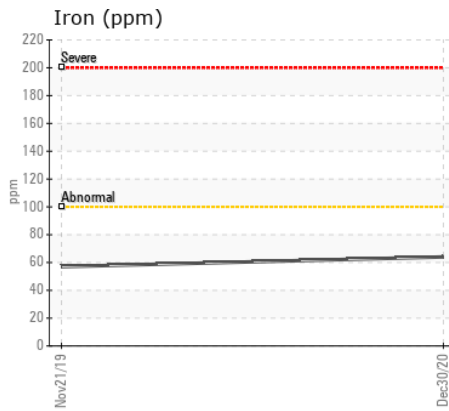
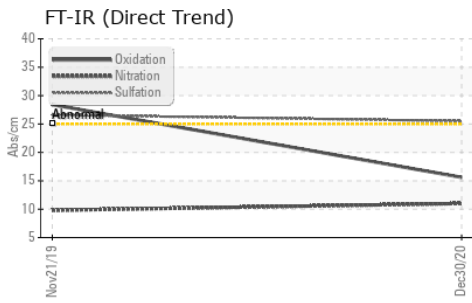
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>30</b>	26	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	6	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844	>3	<b>2</b>	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>11</b>	9.8	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>25.5</b>	26.6	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

## FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>158	<b>4</b>	3	---
Boron	ppm	ASTM D5185m	250	<b>178</b>	59	---
Barium	ppm	ASTM D5185m	10	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185m	100	<b>165</b>	2	---
Manganese	ppm	ASTM D5185m		<b>2</b>	3	---
Magnesium	ppm	ASTM D5185m	450	<b>535</b>	23	---
Calcium	ppm	ASTM D5185m	3000	<b>1612</b>	2107	---
Phosphorus	ppm	ASTM D5185m	1150	<b>898</b>	951	---
Zinc	ppm	ASTM D5185m	1350	<b>1039</b>	1055	---
Sulfur	ppm	ASTM D5185m	4250	<b>2661</b>	1107	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.6</b>	28.4	---
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	<b>6.4</b>	6.2	---
Visc @ 100°C	cSt	ASTM D445	14.4	<b>13.6</b>	11.8	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0019615 **Received** : 05 Jan 2021  
**Lab Number** : 05149994 **Tested** : 06 Jan 2021  
**Unique Number** : 9310274 **Diagnosed** : 06 Jan 2021 - Wes Davis  
**Test Package** : MOBCE ( Additional Tests: TBN )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
 KendalLeanne@lec1.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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