

# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**MCELROY 00112 - ISO 46**  
 Component  
**New (Unused) Oil**  
 Fluid  
**{not provided} (--- QTS)**

**DIAGNOSIS**

**Recommendation**

This is a baseline read-out on the submitted sample.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>TO10002600</b>	---	---
Sample Date	Client Info			<b>16 Nov 2023</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed	Client Info			<b>N/A</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>5	<b>2</b>	---	---
Lead	ppm	ASTM D5185m	>5	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185m	>5	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---

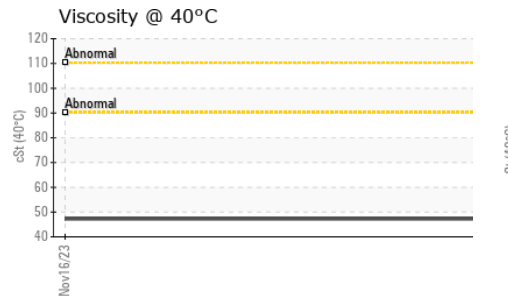
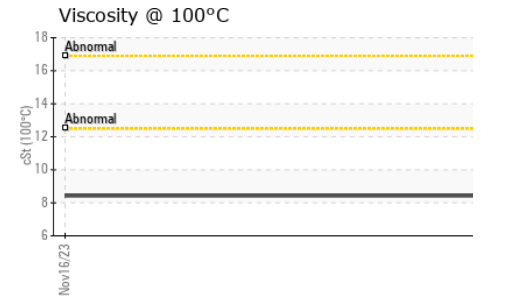
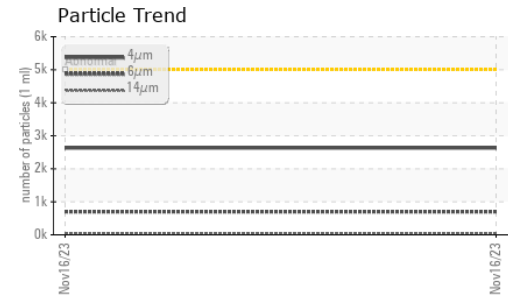
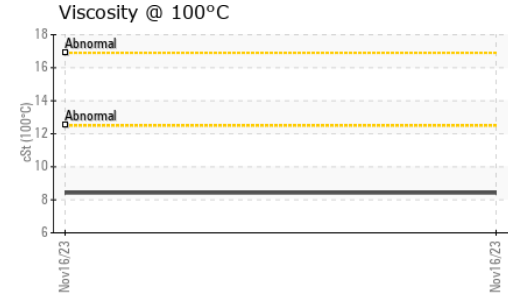
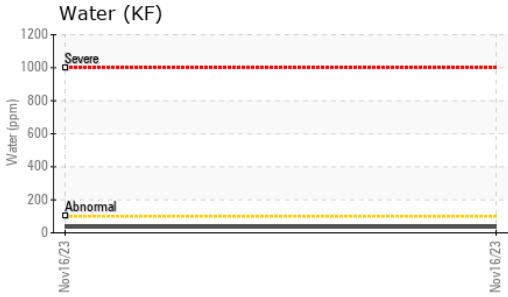
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	---	---
Barium	ppm	ASTM D5185m		<b>9</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Manganese	ppm	ASTM D5185m		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>89</b>	---	---
Calcium	ppm	ASTM D5185m		<b>66</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>318</b>	---	---
Zinc	ppm	ASTM D5185m		<b>370</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>746</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<b>&lt;1</b>	---	---
Sodium	ppm	ASTM D5185m		<b>0</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	---	---
Water	%	ASTM D6304		<b>0.003</b>	---	---
ppm Water	ppm	ASTM D6304		<b>35.5</b>	---	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>2631</b>	---	---
Particles >6µm		ASTM D7647	>1300	<b>700</b>	---	---
Particles >14µm		ASTM D7647	>160	<b>50</b>	---	---
Particles >21µm		ASTM D7647	>40	<b>13</b>	---	---
Particles >38µm		ASTM D7647	>10	<b>0</b>	---	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>19/17/13</b>	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.34</b>	---	---

# OIL ANALYSIS REPORT



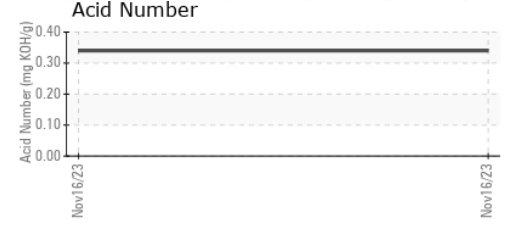
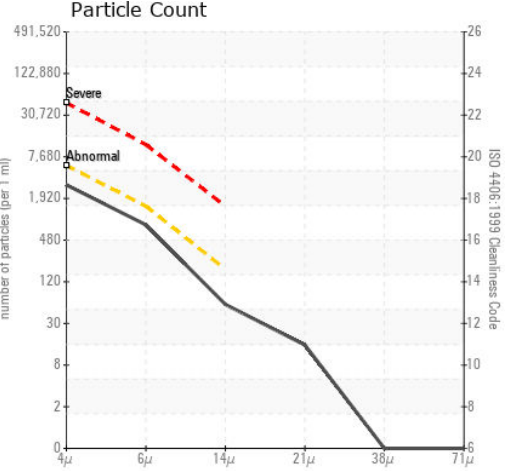
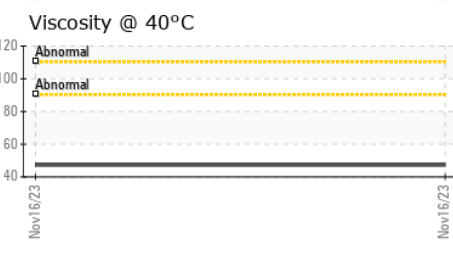
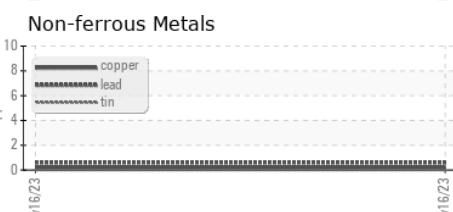
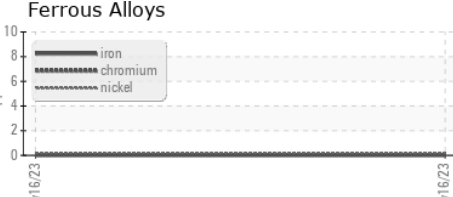
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	NEG	---	---
Free Water	scalar	*Visual	NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	47.25	---	---
Visc @ 100°C	cSt	ASTM D445	8.42	---	---
Viscosity Index (VI)	Scale	ASTM D2270	155	---	---

**SAMPLE IMAGES**

	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

**GRAPHS**



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO10002600 **Received** : 20 Nov 2023  
**Lab Number** : 06012889 **Diagnosed** : 21 Nov 2023  
**Unique Number** : 10752033 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2 ( Additional Tests: FT-IR, ICP-NewOil, KF, KV100, PrtCount, VI )  
 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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