

# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**TOTE 003 - MOBIL DELVAC 1300 10W30**

Component  
**New (Unused) Oil**

Fluid  
**MOBIL DELVAC 1300 SUPER 10W30 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

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

### ▲ Contamination

There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0075547</b>	---	---
Sample Date	Client Info	<b>08 Jan 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>ATTENTION</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	<1	---
Chromium	ppm	ASTM D5185m	0	---
Nickel	ppm	ASTM D5185m	0	---
Titanium	ppm	ASTM D5185m	0	---
Silver	ppm	ASTM D5185m	0	---
Aluminum	ppm	ASTM D5185m	<1	---
Lead	ppm	ASTM D5185m	0	---
Copper	ppm	ASTM D5185m	0	---
Tin	ppm	ASTM D5185m	0	---
Vanadium	ppm	ASTM D5185m	0	---
Cadmium	ppm	ASTM D5185m	0	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>69</b>	---
Barium	ppm	ASTM D5185m	0	---
Molybdenum	ppm	ASTM D5185m	<b>42</b>	---
Manganese	ppm	ASTM D5185m	<1	---
Magnesium	ppm	ASTM D5185m	<b>493</b>	---
Calcium	ppm	ASTM D5185m	<b>1623</b>	---
Phosphorus	ppm	ASTM D5185m	<b>769</b>	---
Zinc	ppm	ASTM D5185m	<b>881</b>	---
Sulfur	ppm	ASTM D5185m	<b>2906</b>	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<b>9</b>	---
Sodium	ppm	ASTM D5185m	<b>2</b>	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>

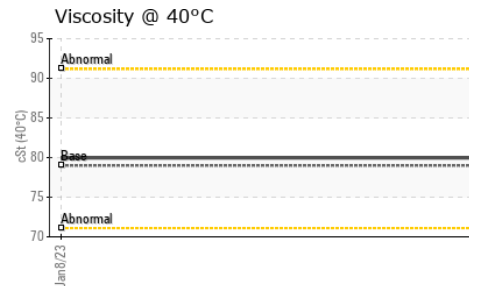
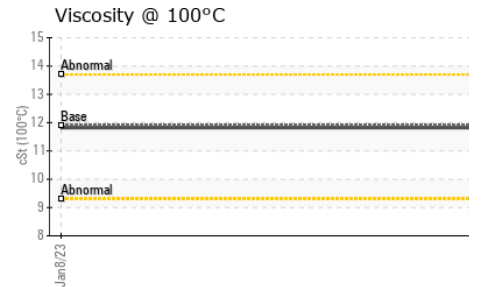
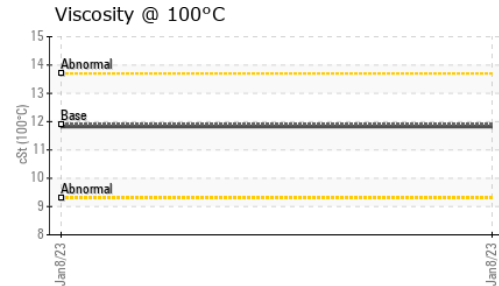
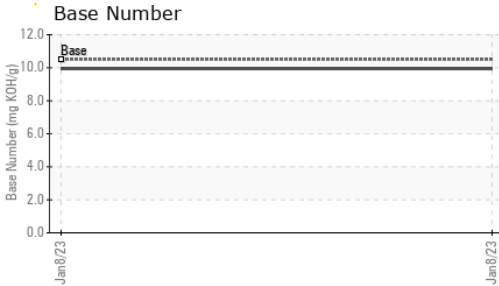
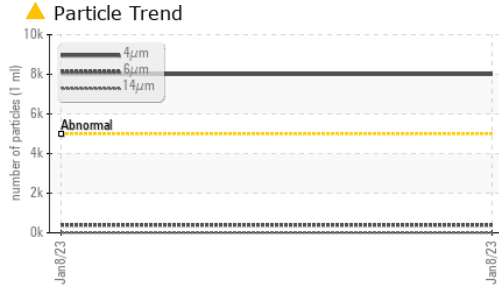
## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	<b>▲ 8005</b>	---
Particles >6µm	ASTM D7647	>1300	<b>393</b>	---
Particles >14µm	ASTM D7647	>160	<b>12</b>	---
Particles >21µm	ASTM D7647	>40	<b>4</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>▲ 20/16/11</b>	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Base Number (BN)	mg KOH/g	ASTM D2896	10.5	<b>9.95</b>

# OIL ANALYSIS REPORT

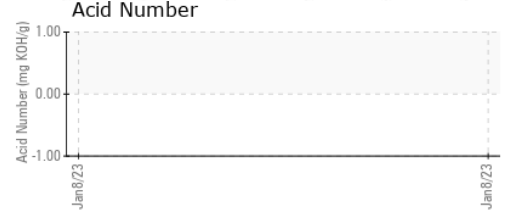
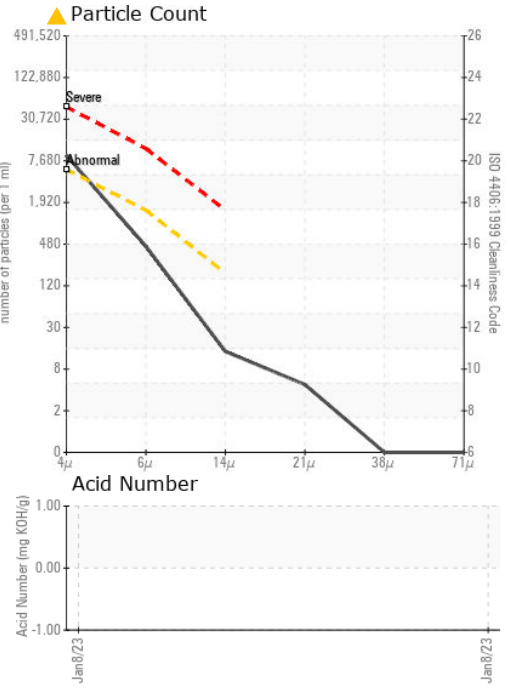
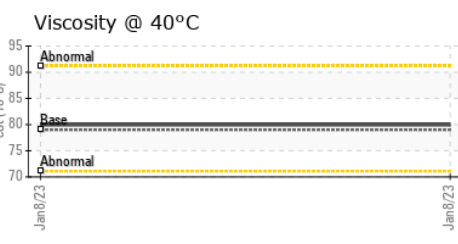
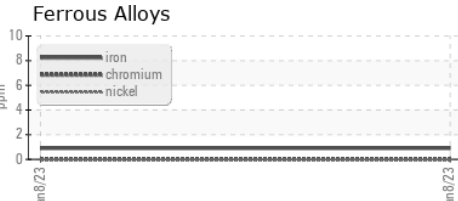


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	79	79.96	---
Visc @ 100°C	cSt	ASTM D445	11.9	11.82	---
Viscosity Index (VI)	Scale	ASTM D2270	145	141	---

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.** : PCA0075547 **Received** : 06 Jan 2023  
**Lab Number** : 05733100 **Diagnosed** : 10 Jan 2023  
**Unique Number** : 10282698 **Diagnostician** : Jonathan Hester  
**Test Package** : MOB 2 ( Additional Tests: FT-IR, ICP-NewOil, KF, KV100, PrtCount, TBN, 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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