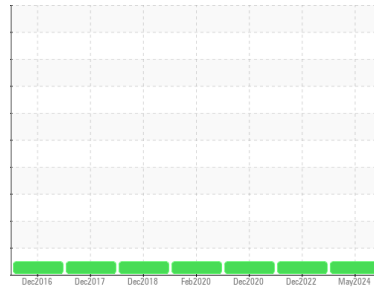




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**Molding**  
 Machine Id  
**PRESS 34 (S/N 81640057)**  
 Component  
**Hydraulic System**  
 Fluid  
**MOBIL DTE 10 EXCEL 68 (--- GAL)**

### DIAGNOSIS

**Recommendation**  
 Resample at the next service interval to monitor.

**Wear**  
 All component wear rates are normal.

**Contamination**  
 There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

**Fluid Condition**  
 The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>ST46768</b>	ST44380	ST40985
Sample Date	Client Info	<b>15 May 2024</b>	01 Dec 2022	11 Dec 2020
Machine Age	hrs Client Info	<b>0</b>	0	0
Oil Age	hrs Client Info	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

### WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >20	<b>2</b>	1	1
Chromium ppm	ASTM D5185m >20	<b>&lt;1</b>	0	<1
Nickel ppm	ASTM D5185m >20	<b>&lt;1</b>	0	0
Titanium ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Silver ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Aluminum ppm	ASTM D5185m >20	<b>3</b>	0	0
Lead ppm	ASTM D5185m >20	<b>&lt;1</b>	0	0
Copper ppm	ASTM D5185m >20	<b>2</b>	1	1
Tin ppm	ASTM D5185m >20	<b>&lt;1</b>	0	<1
Antimony ppm	ASTM D5185m	<b>---</b>	---	0
Vanadium ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium ppm	ASTM D5185m	<b>&lt;1</b>	0	0

### ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m	<b>0</b>	0	<1
Barium ppm	ASTM D5185m	<b>1</b>	0	0
Molybdenum ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Manganese ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Magnesium ppm	ASTM D5185m	<b>1</b>	0	<1
Calcium ppm	ASTM D5185m	<b>112</b>	116	114
Phosphorus ppm	ASTM D5185m	<b>502</b>	477	459
Zinc ppm	ASTM D5185m	<b>29</b>	17	5
Sulfur ppm	ASTM D5185m	<b>1707</b>	1999	1534

### CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >15	<b>1</b>	<1	<1
Sodium ppm	ASTM D5185m	<b>0</b>	2	<1
Potassium ppm	ASTM D5185m >20	<b>2</b>	0	0
Water %	ASTM D6304 >0.05	<b>0.008</b>	0.005	0.005
ppm Water	ASTM D6304 >500	<b>85</b>	51.7	53.7

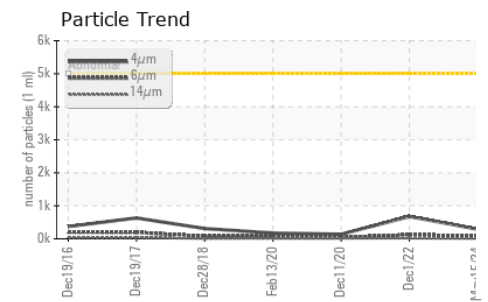
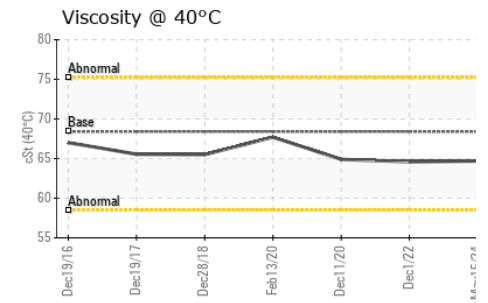
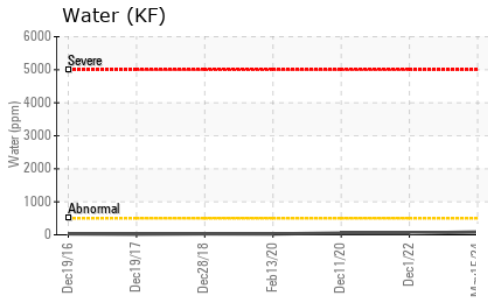
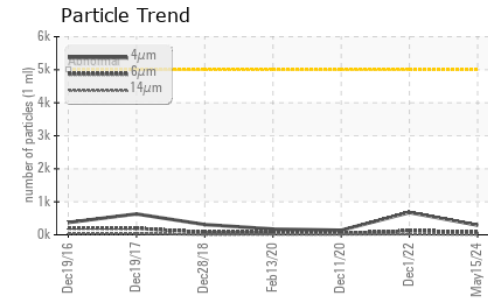
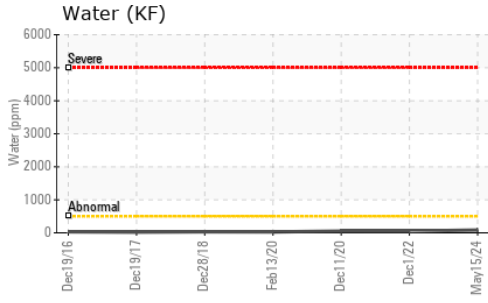
### FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	<b>292</b>	677	139
Particles >6µm	ASTM D7647 >1300	<b>85</b>	119	41
Particles >14µm	ASTM D7647 >160	<b>4</b>	14	9
Particles >21µm	ASTM D7647 >40	<b>1</b>	6	4
Particles >38µm	ASTM D7647 >10	<b>0</b>	0	0
Particles >71µm	ASTM D7647 >3	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c) >19/17/14	<b>15/14/9</b>	17/14/11	14/13/10

### FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045	<b>0.11</b>	0.10	0.144

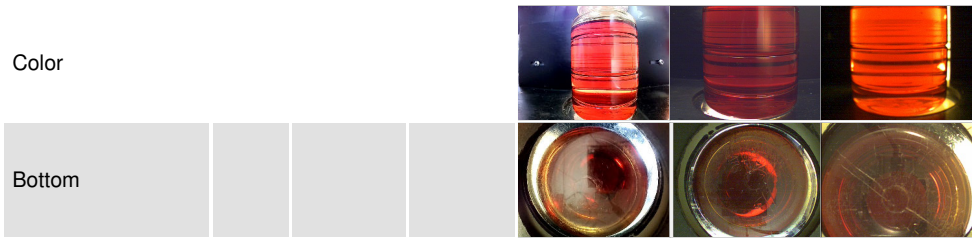
# OIL ANALYSIS REPORT



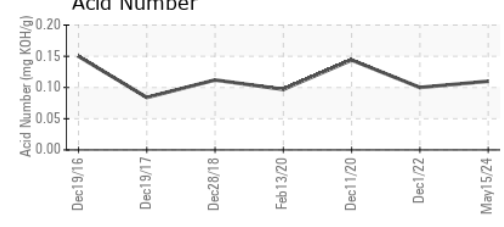
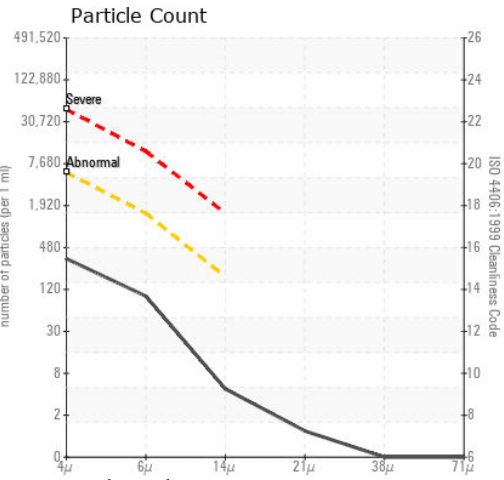
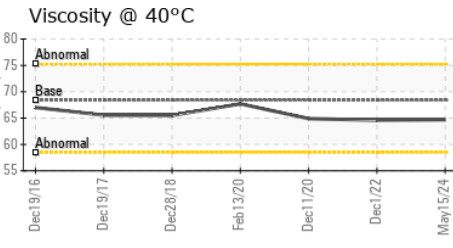
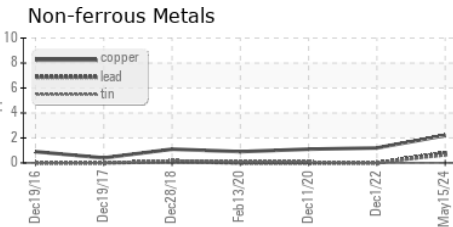
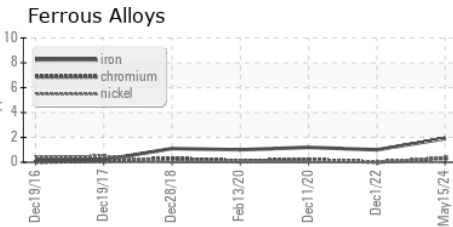
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	68.4	<b>64.7</b>	64.6	64.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ST46768  
**Lab Number** : 06216823  
**Unique Number** : 11089687  
**Test Package** : IND 2 ( Additional Tests: KF )  
**Received** : 21 Jun 2024  
**Tested** : 24 Jun 2024  
**Diagnosed** : 24 Jun 2024 - Jonathan Hester

**MENSHEN PACKAGING USA INC.**  
 21 INDUSTRIAL PARK  
 WALDWICK, NJ  
 US 07463  
 Contact: Jonathan Vanbeekum  
 jonathan.vanbeekum@menshen.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)