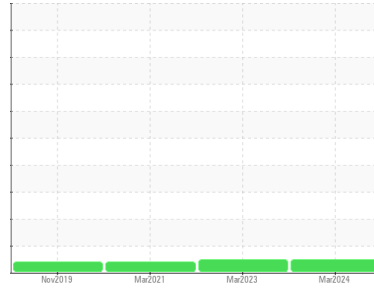




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id

**PR 64 (S/N 8012482)**

Component

**Hydraulic System**

Fluid

**MOBIL DTE 10 EXCEL 46 (--- GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.  
NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

#### Wear

All component wear rates are normal.

#### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is 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>WC0888274</b>	WC0636351	WC0467789
Sample Date	Client Info			<b>17 Mar 2024</b>	08 Mar 2023	08 Mar 2021
Machine Age	hrs	Client Info		<b>0</b>	0	247
Oil Age	hrs	Client Info		<b>0</b>	0	46
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	ATTENTION

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.05	<b>NEG</b>	NEG	NEG

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

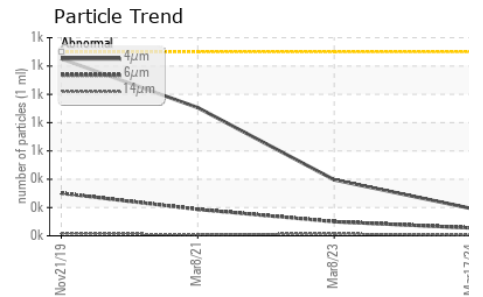
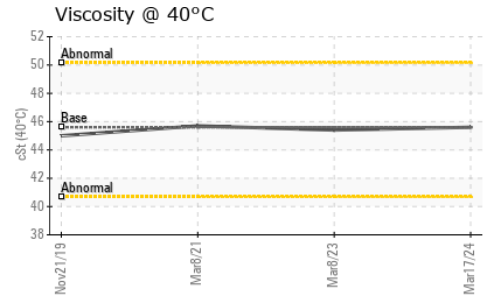
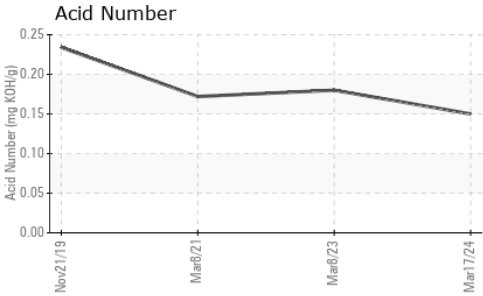
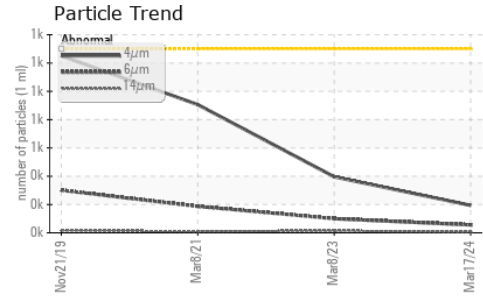
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	<1
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>1</b>	5	<1
Calcium	ppm	ASTM D5185m		<b>129</b>	126	117
Phosphorus	ppm	ASTM D5185m		<b>438</b>	408	388
Zinc	ppm	ASTM D5185m		<b>77</b>	72	64
Sulfur	ppm	ASTM D5185m		<b>1873</b>	1300	1201

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<b>2</b>	3	2
Sodium	ppm	ASTM D5185m		<b>9</b>	9	8
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	<1

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	<b>194</b>	396	906
Particles >6µm		ASTM D7647	>160	<b>56</b>	100	187
Particles >14µm		ASTM D7647	>20	<b>6</b>	14	10
Particles >21µm		ASTM D7647	>4	<b>2</b>	5	3
Particles >38µm		ASTM D7647	>3	<b>0</b>	0	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>17/14/11	<b>15/13/10</b>	16/14/11	17/15/10



# OIL ANALYSIS REPORT

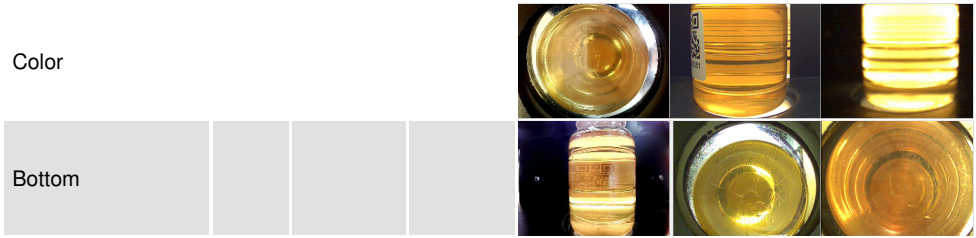


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.15</b>	0.18	0.172

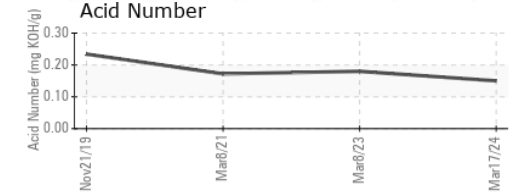
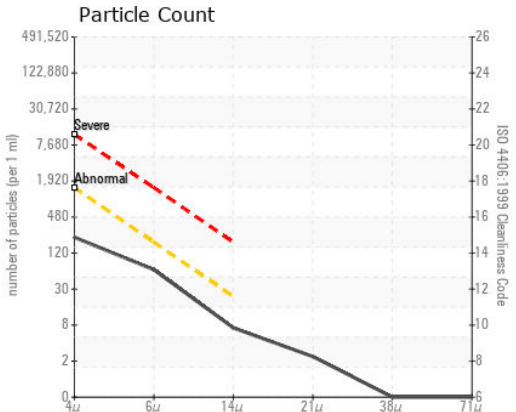
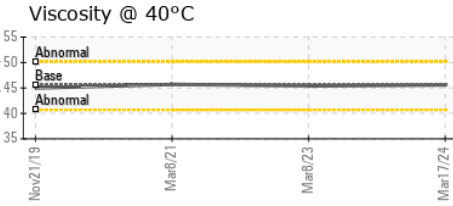
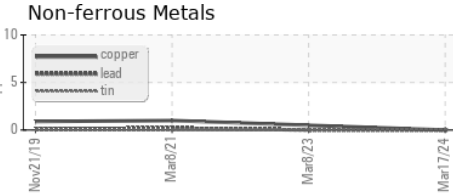
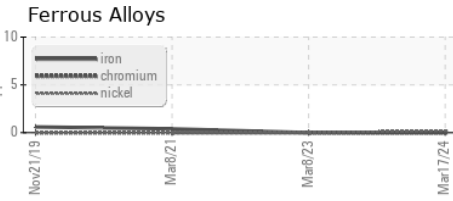
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45.6	<b>45.6</b>	45.4	45.7

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0888274      **Received** : 08 Apr 2024  
**Lab Number** : **06141275**      **Tested** : 12 Apr 2024  
**Unique Number** : 10966083      **Diagnosed** : 12 Apr 2024 - Wes Davis  
**Test Package** : IND 2

**SILGAN SPECIALTY**  
 5650 W. COUNTYLINE ROAD  
 MEQUON, WI  
 US 53092  
 Contact: FRANK LUCZAJ  
 FLuczaj@gatewayplastics.com  
 T: (262)242-2020  
 F: (262)238-6162

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)