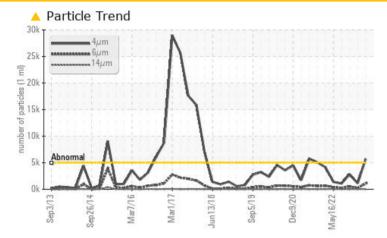


# **PROBLEM SUMMARY**

### Area CURING/PRESS EFGH Machine Id 101817 Main Component

Hydraulic System Fluid ESSO TERESSO ISO 68 (5000 LTR)

### COMPONENT CONDITION SUMMARY



### RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS							
Sample Status			ATTENTION	NORMAL	NORMAL		
Particles >4µm	ASTM D7647	>5000	<b>6700</b>	1102	2803		
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>A</b> 20/17/12	17/15/12	19/16/12		

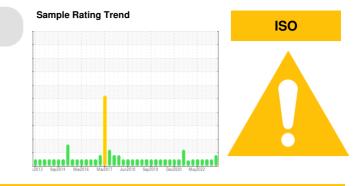
Customer Id: MITWAT Sample No.: WC0799517 Lab Number: 02576731 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

*To change component or sample information:* Gloria Gonzalez +1 (289)291-4643 x4643 <u>gloria.gonzalez@wearcheck.com</u>



RECOMMENDED AC	TIONS			
Action	Status	Date	Done By	Description
Change Filter			?	We recommend you service the filters on this component.

### HISTORICAL DIAGNOSIS

### NORMAL



Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

### 06 Dec 2022 Diag: Wes Davis

28 Feb 2023 Diag: Kevin Marson

#### NORMAL



Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

NORMAL

### 20 Aug 2022 Diag: Kevin Marson

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.







## **OIL ANALYSIS REPORT**

### CURING/PRESS EFGH 101817 Main Component

**Hydraulic System** ESSO TERESSO ISO 68 (5000 LTR)

### DIAGNOSIS

### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

### Wear

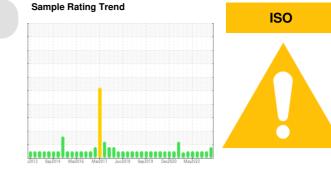
All component wear rates are normal.

### Contamination

There is a light amount of silt (particulates < 14 microns in size) present in the oil.

### Fluid Condition

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



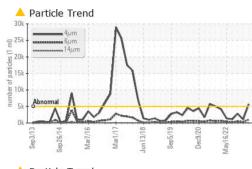
Sample Date         Client Info         15 Aug 2023         28 Feb 2023         06 Dec 20           Machine Age         hrs         Client Info         0         0         0           Oil Age         hrs         Client Info         0         0         0           Oil Changed         Client Info         N/A         N/A         N/A           Sample Status         Imit/base         current         history1         history1           VeCAR METALS         method         Imit/base         current         history1         history1           Iron         ppm         ASTM D5185(m)         >20         0         0         0           Nickel         ppm         ASTM D5185(m)         >20         0         0         0           Silver         ppm         ASTM D5185(m)         >20         0         0         0           Capper         ppm         ASTM D5185(m)         >20         c1         <1         <1           Vanadium         ppm         ASTM D5185(m)         >20         0         0         0           Vanadium         ppm         ASTM D5185(m)         >20         0         0         0           Vanadium         ppm	SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Machine Age         hrs         Client Info         0         0         0           Oil Age         hrs         Client Info         N/A         N/A         N/A           Sample Status         Imat/Distance         Current         history1         history1           WEAR METALS         method         Imit/base         current         history1         history1           Iron         ppm         ASTM D5155(m)         >20         <1	Sample Number		Client Info		WC0799517	WC0763682	WC0718918
Oil Age         hrs         Client Info         0         0         0         0           Oil Changed         Client Info         N/A         N/A         N/A         N/A           Sample Status         n         nethod         limit/base         current         history1         NIAM DS185(m)         >20         <1	Sample Date		Client Info		15 Aug 2023	28 Feb 2023	06 Dec 2022
Oil Changed         Client Info         N/A         N/A         N/A         N/A           Sample Status         Image Status         Image Status         Image Status         Normal ATTENTION         NORMAL         NORMAL           WEAR METALS         method         limit/base         current         history1         history1           Iron         ppm         ASTM 05185(m)         >20         <1	Machine Age	hrs	Client Info		0	0	0
Sample Status         Image: method         ATTENTION         NORMAL         NORMAL           WEAR METALS         method         limit/base         current         history1         history1           Iron         ppm         ASTM 05185(m)         >20         <1	Oil Age	hrs	Client Info		0	0	0
WEAR METALS         method         limit/base         current         history1         history1           Iron         ppm         ASTM D5185(m)         >20         <1	Oil Changed		Client Info		N/A	N/A	N/A
Iron         ppm         ASTM D5185(m)         >20         <1         <1         <1           Chromium         ppm         ASTM D5185(m)         >20         0         0         0         0           Nickel         ppm         ASTM D5185(m)         >20         0         0         0         0           Silver         ppm         ASTM D5185(m)         >20         0         0         0         0           Auminum         ppm         ASTM D5185(m)         >20         <1	Sample Status				ATTENTION	NORMAL	NORMAL
Chromium         ppm         ASTM D5185(m)         >20         0         0         0           Nickel         ppm         ASTM D5185(m)         >20         0         0         0           Silver         ppm         ASTM D5185(m)         >20         0         0         0           Aluminum         ppm         ASTM D5185(m)         >20         0         0         0           Lead         ppm         ASTM D5185(m)         >20         <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel         ppm         ASTM D5185(m)         >20         0         0         0           Titanium         ppm         ASTM D5185(m)         0         0         0         0           Silver         ppm         ASTM D5185(m)         >20         0         0         0           Aluminum         ppm         ASTM D5185(m)         >20         <1	Iron	ppm	ASTM D5185(m)	>20	<1	<1	<1
Titanium         ppm         ASTM D5185(m)         0         0         0           Silver         ppm         ASTM D5185(m)         0         0         0           Aluminum         ppm         ASTM D5185(m)         >20         0         0         0           Lead         ppm         ASTM D5185(m)         >20         <1	Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Silver         ppm         ASTM D5185(m)         0         0         0           Aluminum         ppm         ASTM D5185(m)         >20         0         0         0           Lead         ppm         ASTM D5185(m)         >20         <1	Nickel	ppm	ASTM D5185(m)	>20	0	0	0
Aluminum         ppm         ASTM D5185(m)         >20         0         0         0           Lead         ppm         ASTM D5185(m)         >20         <1	Titanium	ppm	ASTM D5185(m)		0	0	0
Lead         ppm         ASTM D5185(m)         >20         <1	Silver	ppm	ASTM D5185(m)		0	0	0
Copper Tin         ppm         ASTM D5185(m)         >20         <1         <1         <1           Tin         ppm         ASTM D5185(m)         >20         0         0         0           Antimony         ppm         ASTM D5185(m)         0         0         0         0           Vanadium         ppm         ASTM D5185(m)         0         0         0         0           Beryllium         ppm         ASTM D5185(m)         0         0         0         0           ADDITIVES         method         limit/base         current         history1         histor           Boron         ppm         ASTM D5185(m)         0.4         0         0         0           Molybdenum         ppm         ASTM D5185(m)         0.4         0         0         0           Maganese         ppm         ASTM D5185(m)         0.4         0         0         0           Calcium         ppm         ASTM D5185(m)         0.7         2         29         3           Zinc         ppm         ASTM D5185(m)         0.7         2         29         3           Silicon         ppm         ASTM D5185(m)         0.7         2	Aluminum	ppm	ASTM D5185(m)	>20	0	0	0
Tin         ppm         ASTM D5185(m)         >20         0         0         0           Antimony         ppm         ASTM D5185(m)         0         0         0         0           Vanadium         ppm         ASTM D5185(m)         0         0         0         0           Beryllium         ppm         ASTM D5185(m)         0         0         0         0           ADDITIVES         method         limit/base         current         history1         history1           Boron         ppm         ASTM D5185(m)         0.4         0         0         0           Magnese         ppm         ASTM D5185(m)         0.4         0         0         0           Magnesium         ppm         ASTM D5185(m)         0         <1	Lead	ppm	ASTM D5185(m)	>20	<1	<1	<1
Antimony         ppm         ASTM D5188(m)         0         0         <1           Vanadium         ppm         ASTM D5188(m)         0         0         0         0           Beryllium         ppm         ASTM D5188(m)         0         0         0         0           Cadmium         ppm         ASTM D5188(m)         4.5         0         <1	Copper	ppm	ASTM D5185(m)	>20	<1	<1	<1
Vanadium         ppm         ASTM D5185(m)         0         0         0           Beryllium         ppm         ASTM D5185(m)         0         0         0           Cadmium         ppm         ASTM D5185(m)         0         0         0         0           ADDITIVES         method         limit/base         current         history1         history1           Boron         ppm         ASTM D5185(m)         0.4         0         0         0           Barium         ppm         ASTM D5185(m)         0.4         0         0         0           Molybdenum         ppm         ASTM D5185(m)         0         0         0         0         0           Magnesium         ppm         ASTM D5185(m)         0         0         0         0         0           Calcium         ppm         ASTM D5185(m)         0.7         2         29         3           Zinc         ppm         ASTM D5185(m)         0.7         2         29         3           Sulfur         ppm         ASTM D5185(m)         0.7         2         29         3           Sulfur         ppm         ASTM D5185(m)         0.7         2         <	Tin	ppm	ASTM D5185(m)	>20	0	0	0
Beryllium         ppm         ASTM D5185(m)         0         0         0           Cadmium         ppm         ASTM D5185(m)         0         0         0         0           ADDITIVES         method         limit/base         current         history1         histor           Boron         ppm         ASTM D5185(m)         4.5         0         <1         <1           Barium         ppm         ASTM D5185(m)         0.4         0         0         0           Molybdenum         ppm         ASTM D5185(m)         0         0         0         0         0           Manganese         ppm         ASTM D5185(m)         0         0         0         0         0           Calcium         ppm         ASTM D5185(m)         0         <1         2         0           Phosphorus         ppm         ASTM D5185(m)         0.7         2         29         3           Sulfur         ppm         ASTM D5185(m)         0.7         2         29         3           Sulfur         ppm         ASTM D5185(m)         0.7         2         29         3           Sulfur         ppm         ASTM D5185(m)         1315	Antimony	ppm	ASTM D5185(m)		0	0	<1
Cadmium         ppm         ASTM D5185(m)         0         0         0           ADDITIVES         method         limit/base         current         history1         histor           Boron         ppm         ASTM D5185(m)         4.5         0         <1	Vanadium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES         method         limit/base         current         history1         histor           Boron         ppm         ASTM D5185(m)         4.5         0         <1	Beryllium	ppm	ASTM D5185(m)		0	0	0
Boron         ppm         ASTM D5185(m)         4.5         0         <1         <1           Barium         ppm         ASTM D5185(m)         0.4         0         0         0           Molybdenum         ppm         ASTM D5185(m)         0         0         0         0           Manganese         ppm         ASTM D5185(m)         0         0         0         0           Magnesium         ppm         ASTM D5185(m)         0         -1         2         0           Phosphorus         ppm         ASTM D5185(m)         0         -1         2         0           Phosphorus         ppm         ASTM D5185(m)         0.7         2         29         3           Zinc         ppm         ASTM D5185(m)         0.7         2         29         3           Sulfur         ppm         ASTM D5185(m)         0.7         2         29         3           Sulfur         ppm         ASTM D5185(m)         0.7         2         29         3           Sulfur         ppm         ASTM D5185(m)         0.7         2         0         0           Sulfur         ppm         ASTM D5185(m)         >10         0	Cadmium		ASTM D5185(m)		0	0	0
Barium         ppm         ASTM D5185(m)         0.4         0         0         0         0           Molybdenum         ppm         ASTM D5185(m)         0         0         0         0         0           Manganese         ppm         ASTM D5185(m)         0         0         0         0         0           Magnesium         ppm         ASTM D5185(m)         0         <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185(m)         0         0         0         0         0           Manganese         ppm         ASTM D5185(m)         0         0         0         0         0           Magnesium         ppm         ASTM D5185(m)         0         0         0         0         0         0           Calcium         ppm         ASTM D5185(m)         0         <1         2         0           Phosphorus         ppm         ASTM D5185(m)         0.7         2         29         3           Zinc         ppm         ASTM D5185(m)         0.7         2         29         3           Sulfur         ppm         ASTM D5185(m)         0.7         2         29         3           Sulfur         ppm         ASTM D5185(m)         0.7         2         29         3           Sulfur         ppm         ASTM D5185(m)         1315         64666         6805         6867           Lithium         ppm         ASTM D5185(m)         >15         0         0         0           Solicon         ppm         ASTM D5185(m)         >20         <1         0         0           Potassium	Boron	ppm	ASTM D5185(m)	4.5	0	<1	<1
Manganese         ppm         ASTM D5185(m)         0         1         2         0         0         2         1         2         0         0         2         1         2         0         0         2         1         2         0         0         2         1         2         0         0         3         3         1         4         0         0         3         3         1         4         0         0         0         1 <td>Barium</td> <td>ppm</td> <td>ASTM D5185(m)</td> <td>0.4</td> <th>0</th> <td>0</td> <td>0</td>	Barium	ppm	ASTM D5185(m)	0.4	0	0	0
Magnesium         ppm         ASTM D5185(m)         0         0         0         <1           Calcium         ppm         ASTM D5185(m)         0         <1	Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Calcium       ppm       ASTM D5185(m)       0       <1	Manganese	ppm	ASTM D5185(m)		0	0	0
Phosphorus         ppm         ASTM D5185(m)         0.7         2         29         3           Zinc         ppm         ASTM D5185(m)         0         3         31         4           Sulfur         ppm         ASTM D5185(m)         1315         6466         6805         6867           Lithium         ppm         ASTM D5185(m)         1315         6466         6805         6867           CONTAMINANTS         method         limit/base         current         history1         histor           Silicon         ppm         ASTM D5185(m)         >15         0         0         0           Sodium         ppm         ASTM D5185(m)         >20         <1	Magnesium	ppm	ASTM D5185(m)	0	0	0	<1
Zinc         ppm         ASTM D5185(m)         0         3         31         4           Sulfur         ppm         ASTM D5185(m)         1315         6466         6805         6867           Lithium         ppm         ASTM D5185(m)         1315         6466         6805         6867           CONTAMINANTS         method         limit/base         current         history1         histor           Silicon         ppm         ASTM D5185(m)         >15         0         0         0           Sodium         ppm         ASTM D5185(m)         >15         0         0         0           Sodium         ppm         ASTM D5185(m)         >20         <1         0         0           Potassium         ppm         ASTM D5185(m)         >20         <1         0         0           FLUID CLEANLINESS         method         limit/base         current         history1         histor           Particles >4µm         ASTM D7647         >5000         5700         1102         2803           Particles >6µm         ASTM D7647         >1300         1055         256         528           Particles >21µm         ASTM D7647         >40         10	Calcium	ppm	ASTM D5185(m)	0	<1	2	0
Sulfur         ppm         ASTM D5185(m)         1315         6466         6805         6867           Lithium         ppm         ASTM D5185(m)         1315         6466         6805         6867           CONTAMINANTS         method         limit/base         current         history1         histor           Silicon         ppm         ASTM D5185(m)         >15         0         0         0           Sodium         ppm         ASTM D5185(m)         >15         0         0         0           Sodium         ppm         ASTM D5185(m)         >15         0         0         0           Potassium         ppm         ASTM D5185(m)         >20         <1         0         0           FLUID CLEANLINESS         method         limit/base         current         history1         histor           Particles >4µm         ASTM D7647         >5000         5700         1102         2803           Particles >6µm         ASTM D7647         >1300         1055         256         528           Particles >1µm         ASTM D7647         >40         10         9         11           Particles >38µm         ASTM D7647         >3         0         0	Phosphorus	ppm	ASTM D5185(m)	0.7	2	29	3
Lithium         ppm         ASTM D5185(m)         <1         <1         <1           CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185(m)         >15         0         0         0           Sodium         ppm         ASTM D5185(m)         >15         0         0         0           Potassium         ppm         ASTM D5185(m)         >20         <1	Zinc	ppm	ASTM D5185(m)	0	3	31	4
CONTAMINANTS         method         limit/base         current         history1         histor           Silicon         ppm         ASTM D5185(m)         >15         0         0         0           Sodium         ppm         ASTM D5185(m)         >15         0         0         0           Potassium         ppm         ASTM D5185(m)         >20         <1	Sulfur	ppm	ASTM D5185(m)	1315	6466	6805	6867
Silicon         ppm         ASTM D5185(m)         >15         0         0         0           Sodium         ppm         ASTM D5185(m)         <1	Lithium	ppm	ASTM D5185(m)		<1	<1	<1
Sodium         ppm         ASTM D5185(m)         <1	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium         ppm         ASTM D5185(m)         >20         <1         0         0           FLUID CLEANLINESS         method         limit/base         current         history1         history1         history1           Particles >4µm         ASTM D7647         >5000         ▲ 5700         1102         2803           Particles >6µm         ASTM D7647         >1300         1055         256         528           Particles >14µm         ASTM D7647         >160         34         30         33           Particles >21µm         ASTM D7647         >40         10         9         11           Particles >38µm         ASTM D7647         >10         1         1         1           Particles >71µm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/17/14         20/17/12         17/15/12         19/16/1           FLUID DEGRADATION         method         limit/base         current         history1         history1	Silicon	ppm	ASTM D5185(m)	>15	0	0	0
Potassium         ppm         ASTM D5185(m)         >20         <1         0         0           FLUID CLEANLINESS         method         limit/base         current         history1         history1         history1           Particles >4µm         ASTM D7647         >5000         5700         1102         2803           Particles >6µm         ASTM D7647         >1300         1055         256         528           Particles >14µm         ASTM D7647         >160         34         30         33           Particles >21µm         ASTM D7647         >40         10         9         11           Particles >38µm         ASTM D7647         >10         1         1         1           Particles >71µm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/17/14         20/17/12         17/15/12         19/16/1           FLUID DEGRADATION         method         limit/base         current         history1         history1	Sodium		ASTM D5185(m)		<1	0	0
Particles >4μm         ASTM D7647         >5000         5700         1102         2803           Particles >6μm         ASTM D7647         >1300         1055         256         528           Particles >14μm         ASTM D7647         >160         34         30         33           Particles >21μm         ASTM D7647         >40         10         9         11           Particles >21μm         ASTM D7647         >40         10         9         11           Particles >38μm         ASTM D7647         >10         1         1         1           Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/17/14         20/17/12         17/15/12         19/16/1           FLUID DEGRADATION         method         limit/base         current         history1         history1	Potassium		ASTM D5185(m)	>20	<1	0	0
Particles >6µm         ASTM D7647         >1300         1055         256         528           Particles >14µm         ASTM D7647         >160         34         30         33           Particles >21µm         ASTM D7647         >40         10         9         11           Particles >21µm         ASTM D7647         >40         10         9         11           Particles >38µm         ASTM D7647         >10         1         1         1           Particles >38µm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/17/14         20/17/12         17/15/12         19/16/1           FLUID DEGRADATION         method         limit/base         current         history1         history1	FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >6μm         ASTM D7647         >1300         1055         256         528           Particles >14μm         ASTM D7647         >160         34         30         33           Particles >21μm         ASTM D7647         >40         10         9         11           Particles >21μm         ASTM D7647         >40         10         9         11           Particles >38μm         ASTM D7647         >10         1         1         1           Particles >38μm         ASTM D7647         >3         0         0         0           Oli Cleanliness         ISO 4406 (c)         >19/17/14         20/17/12         17/15/12         19/16/1           FLUID DEGRADATION         method         limit/base         current         history1         history1	Particles >4µm		ASTM D7647	>5000	<b>5700</b>	1102	2803
Particles >14µm       ASTM D7647       >160       34       30       33         Particles >21µm       ASTM D7647       >40       10       9       11         Particles >38µm       ASTM D7647       >10       1       1       1         Particles >38µm       ASTM D7647       >10       1       1       1         Particles >71µm       ASTM D7647       >3       0       0       0         Oil Cleanliness       ISO 4406 (c)       >19/17/14       20/17/12       17/15/12       19/16/1         FLUID DEGRADATION       method       limit/base       current       history1       history1	Particles >6µm		ASTM D7647	>1300		256	528
Particles >21μm         ASTM D7647         >40         10         9         11           Particles >38μm         ASTM D7647         >10         1         1         1           Particles >38μm         ASTM D7647         >10         1         1         1           Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/17/14         20/17/12         17/15/12         19/16/1           FLUID DEGRADATION         method         limit/base         current         history1         history1							
Particles >38μm         ASTM D7647         >10         1         1         1           Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/17/14         20/17/12         17/15/12         19/16/1           FLUID DEGRADATION         method         limit/base         current         history1         history1			ASTM D7647	>40	10	9	11
Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/17/14         20/17/12         17/15/12         19/16/1           FLUID DEGRADATION         method         limit/base         current         history1         history1							1
Oil Cleanliness         ISO 4406 (c)         >19/17/14         20/17/12         17/15/12         19/16/1           FLUID DEGRADATION         method         limit/base         current         history1         history1			ASTM D7647	>3	0	0	0
	Oil Cleanliness				<b>A</b> 20/17/12	17/15/12	19/16/12
Acid Number (AN) ma KOH/a ASTM D974* 0.02 0.04 0.10 0.10	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (ANI)	ma KOH/a	ASTM D974*	0.02	0.04	0.10	0.10

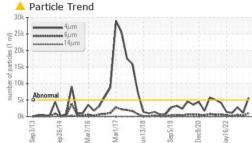
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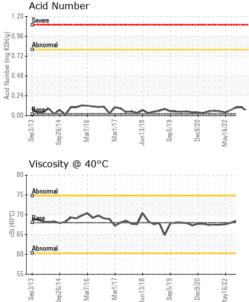
Contact/Location: Alan Davies - MITWAT



# **OIL ANALYSIS REPORT**

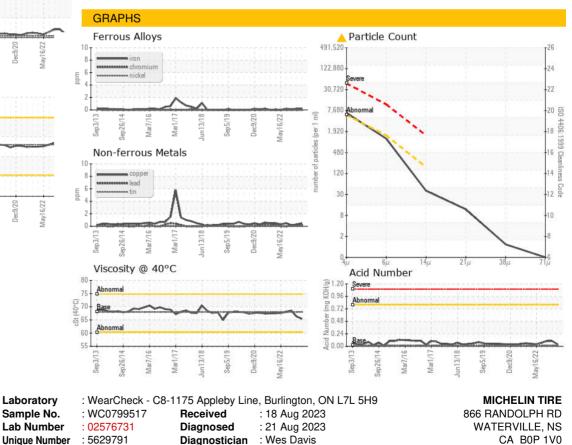






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal		Visual*	NONE	NONE	NONE	NONE
	scalar					
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.05	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	68	65.4	66.3	68.5
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color						
Bottom						





Accredited Laboratory Unique Number Test Package : IND 2 (Additional Tests: TAN Man) To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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CALA

ISO 17025:2017