

# **OIL ANALYSIS REPORT**

# Sample Rating Trend



# HTMQCA80N01400007

Component

Hoist

MOBIL DELVAC 1310 (--- GAL)

### 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 INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0809067		
Sample Date		Client Info		20 Oct 2023		
Machine Age	hrs	Client Info		22		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	3		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>20	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		3		
Aluminum	ppm	ASTM D5185(m)	>20	1		
Lead	ppm	ASTM D5185(m)	>20	<1		
Copper	ppm	ASTM D5185(m)	>20	3		
Tin	ppm	ASTM D5185(m)	>20	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
ADDITIVES Boron	ppm	method ASTM D5185(m)	limit/base	current 2	history1	history2
	ppm		limit/base		,	history2
Boron		ASTM D5185(m)	limit/base	2		history2  
Boron Barium	ppm	ASTM D5185(m) ASTM D5185(m)	limit/base	2 <1		
Boron Barium Molybdenum	ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	2 <1 0		
Boron Barium Molybdenum Manganese	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	2 <1 0		
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	2 <1 0 0 13		
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185(m)	limit/base	2 <1 0 0 13 3027 1014		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base	2 <1 0 0 13 3027 1014		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base	2 <1 0 0 13 3027 1014		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base	2 <1 0 0 13 3027 1014 1222 6817		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)		2 <1 0 0 13 3027 1014 1222 6817 <1		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base >15	2 <1 0 0 13 3027 1014 1222 6817 <1 current		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base	2 <1 0 0 13 3027 1014 1222 6817 <1 current 14		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base	2 <1 0 0 13 3027 1014 1222 6817 <1 current 14 2		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base >15 >20	2 <1 0 0 13 3027 1014 1222 6817 <1 current 14 2 <1		history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)  METHOD	limit/base >15 >20 limit/base	2 <1 0 0 13 3027 1014 1222 6817 <1 current 14 2 <1 current		history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium  CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base >15 >20 limit/base >320000	2 <1 0 0 13 3027 1014 1222 6817 <1 current 14 2 <1 current 15755	history1 history1	history2 history2

Acid Number (AN)

FLUID DEGRADATION

Particles >38µm

Particles >71µm

Oil Cleanliness

mg KOH/g ASTM D974\*

ASTM D7647 >10

ASTM D7647 >3

ISO 4406 (c) >25/17/14

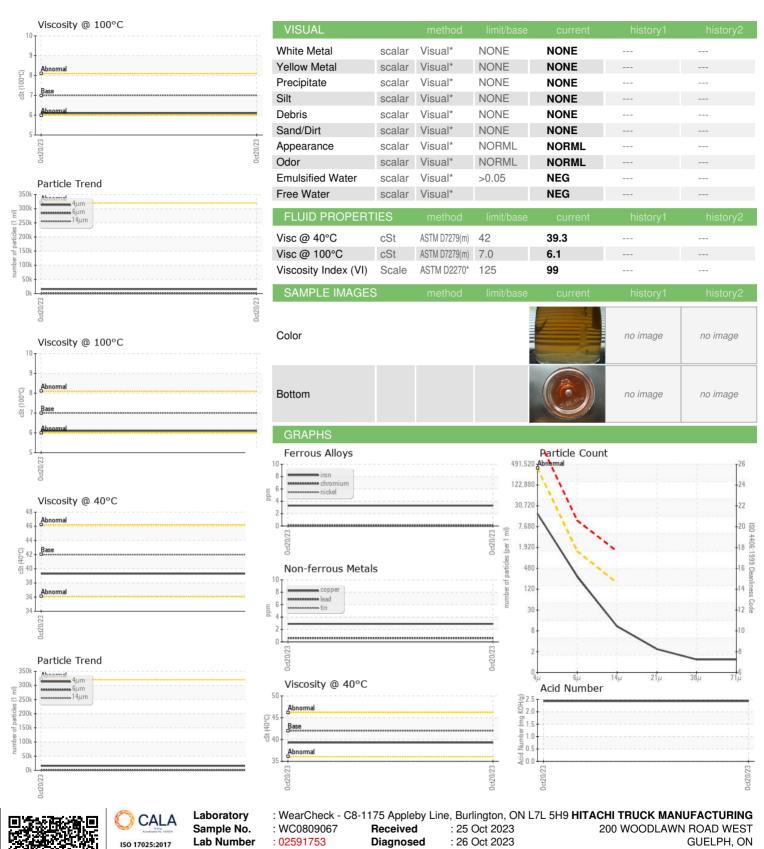
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21/15/10

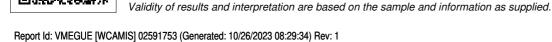


## **OIL ANALYSIS REPORT**



: Wes Davis

Diagnostician



Accredited

Laboratory

**Unique Number** 

: 5668832

To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test Package : IND 2 (Additional Tests: KV100, VI)

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

Contact/Location: Larry Whale - VMEGUE

CA N1H 1B6

Contact: Larry Whale

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