

PROBLEM SUMMARY

Sample Rating Trend

OFF SPEC

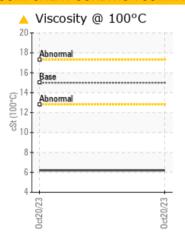


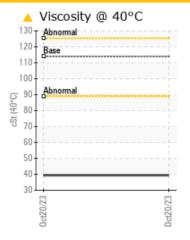
HTMQCA80N01400007

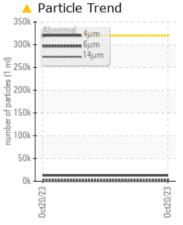
Component **Steering**

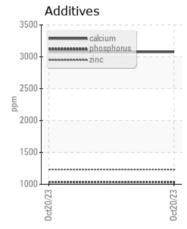
MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

COMPONENT CONDITION SUMMARY









RECOMMENDATION

We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL				
Particles >6µm		ASTM D7647	>1300	<u> </u>				
Oil Cleanliness		ISO 4406 (c)	>25/17/14	<u> </u>				
Visc @ 40°C	cSt	ASTM D7279(m)	114	4 39.4				
Visc @ 100°C	cSt	ASTM D7279(m)	15.0	▲ 6.2				
Viscosity Index (VI)	Scale	ASTM D2270*	137	<u> </u>				

Customer Id: VMEGUE Sample No.: WC0809065 Lab Number: 02591856 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

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

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Change Filter			?	We recommend you service the filters on this component.			
Information Required			?	Please specify the component make and model with your next sample.			
Check Fluid Source			?	Confirm the source of the lubricant being utilized for top-up/fill.			
HISTORICAL DIAGNOSIS							



OIL ANALYSIS REPORT

Sample Rating Trend

OFF SPEC

HTMQCA80N01400007

Component

Steering

MOBIL DELVAC 1300 SUPER15W40 (--- GA

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

All component wear rates are normal.

Contamination

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

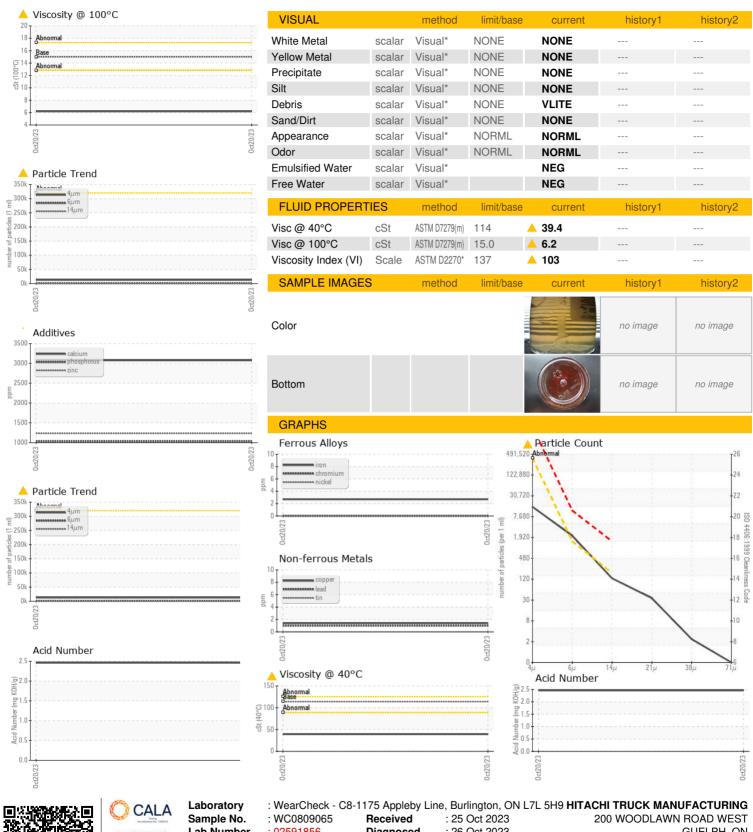
▲ Fluid Condition

Viscosity of sample indicates oil is within SAE 70W80 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

L)				Oct2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0809065		
Sample Date		Client Info		20 Oct 2023		
Machine Age	hrs	Client Info		22		
Oil Age	hrs	Client Info		0		
Oil Changed	1110	Client Info		N/A		
Sample Status		Olichi illio		ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>60	3		
Chromium	ppm	ASTM D5185(m)	>12	0		
Nickel		ASTM D5185(m)	>6	0		
itanium	ppm	ASTM D5185(m)	>0	0		
Silver	ppm	\ /		<1		
	ppm	ASTM D5185(m)	. 1			
Aluminum	ppm	ASTM D5185(m)	>4	1		
ead	ppm	ASTM D5185(m)	>12	1		
Copper	ppm	ASTM D5185(m)	>30	1		
- in	ppm	ASTM D5185(m)		0		
Antimony	ppm	ASTM D5185(m)		0		
/anadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	2		
Barium	ppm	ASTM D5185(m)	0	<1		
Nolybdenum	ppm	ASTM D5185(m)	0	<1		
Manganese	ppm	ASTM D5185(m)		0		
/lagnesium	ppm	ASTM D5185(m)	0	13		
Calcium	ppm	ASTM D5185(m)		3076		
Phosphorus	ppm	ASTM D5185(m)		1034		
inc	ppm	ASTM D5185(m)		1232		
Sulfur	ppm	ASTM D5185(m)		6866		
ithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>10	8		
Sodium	ppm	ASTM D5185(m)	7.0	1		
Potassium	ppm	ASTM D5185(m)	>20	- <1		
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>320000	12829		
Particles >6µm		ASTM D7647	>1300	▲ 1887		
Particles >6μm		ASTM D7647	>1300	112		
·		ASTM D7647	>40	30		
Particles >21µm						
Particles >38µm		ASTM D7647	>10	2		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>25/17/14	<u>^</u> 21/18/14		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
	1/011/	4 OT1 4 DOT 4:				



OIL ANALYSIS REPORT





ISO 17025:2017 Accredited Laboratory

Lab Number **Unique Number**

: 02591856

: 5668935 Test Package : IND 2 (Additional Tests: KV100, VI)

Diagnosed Diagnostician

: 26 Oct 2023 : Kevin Marson

GUELPH, ON **CA N1H 1B6** Contact: Larry Whale lwhale@hitachitruck.com T: (519)826-5586

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.

F: (519)826-5545