

### **OIL ANALYSIS REPORT**

Sample Rating Trend

# 001 - M-DELVAC 1300 10W30

Component New (Unused) Oil

Fluid {not provided} (--- GAL)

#### DIAGNOSIS

#### A Recommendation

This is a baseline read-out on the submitted sample.

#### Contamination

There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

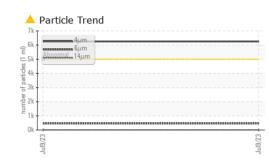
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0099962		
Sample Date		Client Info		09 Jul 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		1		
Chromium	ppm	ASTM D5185m		0		
Nickel	ppm	ASTM D5185m		<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m		0		
Lead	ppm	ASTM D5185m		0		
Copper	ppm	ASTM D5185m		0		
Tin	ppm	ASTM D5185m		0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		85		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		38		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		442		
Calcium	ppm	ASTM D5185m		1602		
Phosphorus	ppm	ASTM D5185m		695		
Zinc	ppm	ASTM D5185m		827		
Sulfur	ppm	ASTM D5185m		2355		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		8		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>		
Particles >6µm		ASTM D7647	>1300	454		
Particles >14µm		ASTM D7647	>160	6		
Particles >21µm		ASTM D7647	>40	1		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>20/16/10</b>		
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.34		
Base Number (BN)	mg KOH/g	ASTM D2896		10.17		

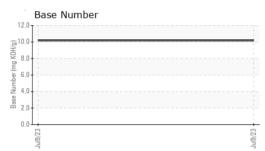


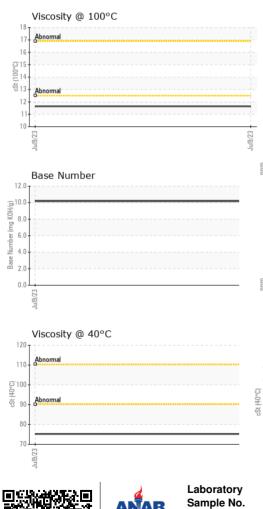
ISO



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 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 RICHARD.ABEI

 \* - 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)

Certificate L2367

Lab Number Unique Number Test Package

F: (701)663-9445