

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id **003 - M-DELVAC 1300 10W30**

Component New (Unused) Oil

{not provided} (--- GAL)

DIAGNOSIS

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.

				Sep2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0099980		
Sample Date		Client Info		14 Sep 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		1		
Chromium	ppm	ASTM D5185m		0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m		2		
Lead	ppm	ASTM D5185m		0		
Copper	ppm	ASTM D5185m		<1		
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		81		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		37		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		483		
Calcium	ppm	ASTM D5185m		1665		
Phosphorus	ppm	ASTM D5185m		726		
Zinc	ppm	ASTM D5185m		849		
Sulfur	ppm	ASTM D5185m		2789		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		8		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	7202		
Particles >6µm		ASTM D7647	>1300	447		
Particles >14µm		ASTM D7647	>160	6		
Particles >21µm		ASTM D7647		1		
Particles >38µm		ASTM D7647	>10	0		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/16/10		
FLUID DEGRAD	OATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.10		
Base Number (BN)	mg KOH/g	ASTM D2896		9.37		
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