

OIL ANALYSIS REPORT



Machine Id **18063** Component **Diesel Engine** Fluid **MOBIL DELVAC 1300 SUPER15W40 (--- QTS)**

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATIONmethodlimit/basecurrenthisSample NumberClient InfoIL0033312Sample DateClient Info11 Mar 2024Machine AgemlsClient Info55219	
Sample Date Client Info 11 Mar 2024	tory1 history2
Machine Age mis Client Info 55219	
Oil Age mls Client Info 10773	
Oil Changed Client Info Changed	
Sample Status NORMAL	
CONTAMINATION method limit/base current his	tory1 history2
Fuel WC Method >5 <1.0	
Water WC Method >0.2 NEG	
Glycol WC Method NEG	
WEAR METALS method limit/base current his	tory1 history2
Iron ppm ASTM D5185m >100 15	
Chromium ppm ASTM D5185m >20 1	
Nickel ppm ASTM D5185m >4 1	
Titanium ppm ASTM D5185m <1	
Silver ppm ASTM D5185m >3 0	
Aluminum ppm ASTM D5185m >20 10	
Lead ppm ASTM D5185m >40 2	
Copper ppm ASTM D5185m >330 7	
Tin ppm ASTM D5185m >15 1	
Vanadium ppm ASTM D5185m <1	
Cadmium ppm ASTM D5185m <1	
ADDITIVES method limit/base current his	tory1 history2
Boron ppm ASTM D5185m 0 83	
Barium ppm ASTM D5185m 0 0	
Barium ppm ASIM D5185m 0 0 0 Molybdenum ppm ASIM D5185m 0 82	
Molybdenum ppm ASTM D5185m 0 82	
Molybdenum ppm ASTM D5185m 0 82 Manganese ppm ASTM D5185m 0 1	
Molybdenum ppm ASTM D5185m 0 82 Manganese ppm ASTM D5185m 0 1 Magnesium ppm ASTM D5185m 0 611	
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FT-IR (Direct Trend)		VISUAL		method	limit/base	current	history1	history2
Oxidation Nitration		White Metal	scalar	*Visual	NONE	NONE		
Romonnar Sulfation		Yellow Metal	scalar	*Visual	NONE	NONE		
		Precipitate	scalar	*Visual	NONE	NONE		
		Silt	scalar	*Visual	NONE	NONE		
		Debris	scalar	*Visual	NONE	NONE		
		Sand/Dirt	scalar	*Visual	NONE	NONE		
1/24	Mar11/24 -	Appearance	scalar	*Visual	NORML	NORML		
Mar11/24	Marl	Odor	scalar	*Visual	NORML	NORML		
Deee Number		Emulsified Water	scalar	*Visual	>0.2	NEG		
Base Number		Free Water	scalar	*Visual		NEG		
<u> </u>		FLUID PROPER	TIES	method	limit/base	current	history1	history2
		Visc @ 100°C	cSt	ASTM D445	14	13.1		
		GRAPHS						
		Ferrous Alloys						
Marl 1/24	<i>ИС</i> 1 Г~- <i>И</i> И	14						
Viscosity @ 100°C		10- <u>E</u> 8-						
		6						
Abnormal		4						
Base								
Abnormal		Mar1 1/24			Mar11/24			
		Mar			Mar			
1 	~	Non-ferrous Meta	ls					
Marl 1/24	C 11-	10 copper						
Ma	р. ц	8 - sessesses lead						
		udd						
		4						
		2 -		*****				
		oli						
		11/24			11/24			
		Mar			Mar			
		Viscosity @ 100°	С			Base Numbe	er	
					10.0	Base		
		17- Abnormal			- 80			
		16			B/HO)			
		G						
		8 15			E			
		0 15 00 12 ත් 14 Base			La c.o			
		12			Laquinny ass			
					(B,HOX) B(MHOX	-		
		13 - Abnormal			2.0			
		13 - Abnormal 12			0.0	1/24		1/24
		13 - Abnormal			2.0	Mar11/24		Mart 1/24
Certificate 12367 To discuss th	Laboratory Sample No. Lab Number Unique Number Test Package	¹³ Abnormal ¹² ¹² ¹¹ ¹² ¹² ¹¹ ¹² ¹¹ ¹² ¹¹ ¹² ¹² ¹¹ ¹² ¹¹ ¹² ¹¹ ¹² ¹¹ ¹² ¹¹ ¹² ¹² ¹¹ ¹² ¹¹ ¹² ¹¹ ¹² ¹¹ ¹² ¹¹ ¹² ¹¹ ¹² ¹¹ ¹² ¹¹ ¹² ¹¹ ¹² ¹¹ ¹² ¹¹ ¹² ¹¹ ¹² ¹¹ ¹¹ ¹² ¹¹ ¹² ¹¹ ¹² ¹¹ ¹¹ ¹² ¹¹ ¹¹ ¹² ¹¹ ¹	Rece Teste Diagr	ived : 15 d : 15 nosed : 15	o, NC 27513 5 Apr 2024 5 Apr 2024 - We	RUSH 1 es Davis	Contact: JACKIE	INGHAM Idealease ETTE AVENUE FFINGHAM, IL US 62401 OHNESORGE
To discuss th	Laboratory Sample No. Lab Number Unique Number Test Package his sample report, d	2 2 2 2 2 2 2 2 2 2 2 2 2 2	Recei Teste Diagr	ived : 15 ed : 15 nosed : 15 800-237-1368	o, NC 27513 5 Apr 2024 5 Apr 2024 5 Apr 2024 - We	RUSH 1 es Davis	1701 WEST FAYE E Contact: JACKIE hnesorgej@rushe	INGHAM Idealease ETTE AVENUE FFINGHAM, IL US 62401 OHNESORGE

Contact/Location: JACKIE OHNESORGE - IDEEFF