

OIL ANALYSIS REPORT



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

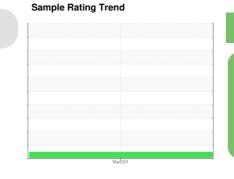
All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



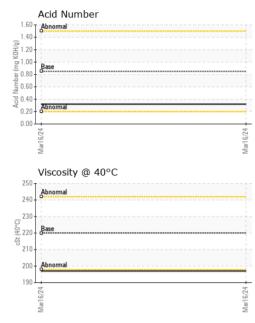


NORMAL

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0071507		
Sample Date		Client Info		16 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	62		
Chromium	ppm	ASTM D5185m	>15	0		
Nickel	ppm	ASTM D5185m	>15	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	1		
Lead	ppm	ASTM D5185m	>100	0		
Copper	ppm	ASTM D5185m	>200	<1		
Tin	ppm	ASTM D5185m	>25	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	2		
Barium	ppm	ASTM D5185m	15	0		
Molybdenum	ppm	ASTM D5185m	15	6		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	50	19		
Calcium	ppm	ASTM D5185m	50	58		
Phosphorus	ppm	ASTM D5185m	350	315		
Zinc	ppm	ASTM D5185m	100	35		
Sulfur	ppm	ASTM D5185m	12500	15293		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.32		



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	VISUAL		method	limit/base	current	history1	history2	
	White Metal	scalar	*Visual	NONE	NONE			
	Yellow Metal	scalar	*Visual	NONE	NONE			
	Precipitate	scalar	*Visual	NONE	NONE			
	Silt	scalar	*Visual	NONE	LIGHT			
	Debris	scalar	*Visual	NONE	NONE			
	Sand/Dirt	scalar	*Visual	NONE	NONE			
Mar16/24	Appearance	scalar	*Visual	NORML	NORML			
⊻	Odor	scalar	*Visual	NORML	NORML			
	Emulsified Water	scalar	*Visual	>0.2	NEG			
	Free Water	scalar	*Visual		NEG			
	FLUID PROPE			limit/base	current	history1	history2	
	Visc @ 40°C	cSt	ASTM D445	220	197			
	SAMPLE IMAG	iES	method	limit/base	current	history1	history2	
Mar16/24	Color					no image	no image	
	Bottom					no image	no image	
	Non-ferrous Metal	5		Mart 6/24				
	Viscosity @ 40°C			Mar16/24	Acid Number			
	270 220 4 220 4 220 200 4 Abnormal			2.1 9.0 Acid Number 1.0 Acid Number 1.0 Acid Number 1.0 Acid Number	50 - Abnormal 00 - Base 50 - Abnormal			
	19014 1904 1905 1909 1909			0.0 /	Mar16/24 + 00		100 St M	
Laboratory Sample No. Lab Number Unique Number Test Package discuss this sample report.	: 10957044 Diagnosed : 05 Apr 2024 - Don Baldridge US							
Denotes test methods that tements of conformity to sp	are outside of the ISO 1	7025 scc	ope of accred	litation.		-	T F	

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