

# **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

Viscosity of sample indicates oil is within ISO 150 range, advise investigate. The AN level is acceptable for this fluid.

Sample Rating Trend



NORMAL

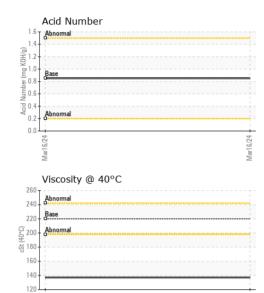
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0071504		
Sample Date		Client Info		16 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	17		
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	0		
Lead	ppm	ASTM D5185m	>100	0		
Copper	ppm	ASTM D5185m	>200	13		
Tin	ppm	ASTM D5185m	>25	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	13		
Barium	ppm	ASTM D5185m	15	1		
Molybdenum	ppm	ASTM D5185m	15	0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	50	<1		
Calcium	ppm	ASTM D5185m	50	59		
Phosphorus	ppm	ASTM D5185m	350	1059		
Zinc	ppm	ASTM D5185m	100	14		
Sulfur	ppm	ASTM D5185m	12500	18099		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.85		



Mar16/24

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VISUAL



	VISUAL		method	limit/base	current	history1	history2
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
	Precipitate	scalar	*Visual	NONE	NONE		
1	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
Mar16,24	Appearance	scalar	*Visual	NORML	NORML		
Mari	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
	Free Water	scalar	*Visual		NEG		
	FLUID PROPE	RTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	220	137		
	SAMPLE IMAG	iES	method	limit/base	current	history1	history2
Mar16/24	Color				•	no image	no image
	Bottom					no image	no image
	Ferrous Alloys	s		Mart 6/24 Amart 6/2			
	Viscosity @ 40°C			Mart 6,24       	Acid Number	r	
Laboratory Sample No. Lab Number Unique Number Test Package discuss this sample report Denotes test methods that	: WearCheck USA - 50 : PCA0071504 : 06137568 : 10957033 : IND 2 ; contact Customer Servi	Rece Teste Diagr ce at 1-8 7025 sco	ived : 03 ed : 04 nosed : 05 800-237-1368 ope of accrec	r, NC 27513 3 Apr 2024 4 Apr 2024 Apr 2024 - Dor 9. Jitation.	n Baldridge robert.	Contact: RO hardin@worthingto	N INDUSTRIES THINGTON DF PORTER, IN US 4630 BERT HARDIN

Submitted By: ADAM POTTS

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