

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

NESCREEK (S/N 026211)

Component Rear Gearbox

Fluid PETRO CANADA ENDURATEX EP 150 (24 LTR)

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.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0958292		
Sample Date		Client Info		04 Jul 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	٨	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		8		
Iron	ppm	ASTM D5185(m)	>200	105		
Chromium	ppm	ASTM D5185(m)	>15	2		
Nickel	ppm	ASTM D5185(m)	>15	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		<1		
Aluminum	ppm	ASTM D5185(m)	>25	<1		
Lead	ppm	ASTM D5185(m)	>100	14		
Copper	ppm	ASTM D5185(m)	>200	<1		
Tin	ppm	ASTM D5185(m)	>25	0		
Antimony	ppm	ASTM D5185(m)	>5	0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	55	25		
Barium	ppm	ASTM D5185(m)	0	3		
Molybdenum	ppm	ASTM D5185(m)	0	0		
Manganese	ppm	ASTM D5185(m)	0	2		
Magnesium	ppm	ASTM D5185(m)	2	2		
Calcium	ppm	ASTM D5185(m)	6	9		
Phosphorus	ppm	ASTM D5185(m)	250	429		
Zinc	ppm	ASTM D5185(m)	3	17		
Sulfur	ppm	ASTM D5185(m)	7500	5816		
Lithium	ppm	ASTM D5185(m)		4		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	9		
Sodium	ppm	ASTM D5185(m)		2		
Potassium	ppm	ASTM D5185(m)	>20	<1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.5	0.76		



0.80 0.70

0.70 0.60 0.60 Base 0.50 Base 0.40 0.30

0.20 0.10 0.00 47/thn

170

140 -135 - Abnorma

130

150 문

PQ 250 200 Sever

100 **Abnom** 50 **b** 0 **b** 72/Hin

165 Abnorma 160 -160 -155 -9 150 Base 3 145 -

Acid Number

Viscosity @ 40°C

OIL ANALYSIS REPORT

	VISUAL		method	limit/base	current	history1	history2	
	White Metal	scalar	Visual*	NONE	LIGHT			
	Yellow Metal	scalar	Visual*	NONE	NONE			
	Precipitate	scalar	Visual*	NONE	NONE			
	Silt	scalar	Visual*	NONE	NONE			
	Debris	scalar	Visual*	NONE	VLITE			
	Sand/Dirt	scalar	Visual*	NONE	NONE			
	Appearance	scalar	Visual*	NORML	NORML			
	Odor	scalar	Visual*	NORML	NORML			
C	Emulsified Water	scalar	Visual*	>0.2	NEG			
	Free Water	scalar	Visual*		NEG			
	FLUID PROPER	RTIES	method	limit/base	current	history1	history2	
	Visc @ 40°C	cSt	ASTM D7279(m)	150.0	144			
	SAMPLE IMAGE	ES	method	limit/base	current	history1	history2	
	Color					no image	no image	
	Jul.							
	Bottom				(og)	no image	no image	
	ODADUO							
	GRAPHS				20			
	Ferrous Alloys			22	PQ			
	iron			20	0 - Severe			
				18	0			
	50			16				
				14				
	Jul4/24			4/24				
	Γ			PC	Abnormal			
	Non-ferrous Met	als		10				
	15 copper			8	0			
	10-			6	0			
				4	0			
				2	0			
	24 0	*****	*****	Jul4/24	54 0		4	
	Jul4/24			Jul	Jul4/24		Jul4/24	
	Viscosity @ 40°C	2			Acid Number			
	Abnormal			^{©0.8}				
	160- Ç			бу 0.6	Base			
	Base 45			<u>ل</u> ے 0.4	0			
	140			(B) N.8 (B) HON Will	0			
	130 Abnormal			0.0 ¥ 0.0				
	Jul4/24			Jul4/24	Jul4/24		Jul4/24	
	*			*	*		~	
CALA Laborat	torv : WearCheck - C8-11	75 Annleh	vline Rurlin	aton ON17	I 5H9		FABRICATING	
		: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0958292 Received : 10 Jul 2024						
ISO 17025:2017 Lab Nu	mber : 02647214	Teste		I Jul 2024			ORTON, ON	
	umber : 5812766	Diagi	nosed :11	Jul 2024 - W	les Davis	Contact	CA LON 1NO	
	ckage :IND 2 report_contact Customer Ser	vice at 1 g	800-268-212	1				

Test Package : IND 2 To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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