

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id

NESCREEK (S/N 026211)

Front Gearbox Fluid GEAR OIL (PAO) ISO 150 (--- LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL (PAO) ISO 150. Please confirm. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

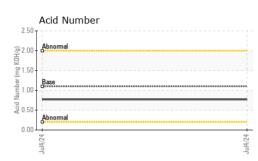
Fluid Condition

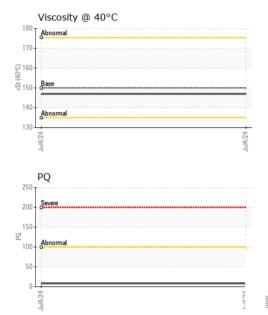
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION method limit/base current history1 history2 Sample Number Client Info 04 Jul 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info N/A Oil Changed Client Info N/A Sample Status Init/base current history1 history2 Water WC Method >0.2 NEG WEAR METALS method limit/base current history1 history2 PQ ASTM 05165(m) >20.0 78 Nickel ppm ASTM 05165(m)<>15 1 Nickel ppm ASTM 05165(m)<>200 Nickel ppm ASTM 05165(m)<>200 Aluminum ppm <							
Sample Number Client Info WC0958293 Sample Date Client Info 04 Jul 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Sample Status Client Info N/A CONTAMINATION method Imil/base current history1 history2 Water WC Method >0.2 NEG WEAR METALS method Imil/base current history1 history2 PQ ASTM D5186m >15 1 Nickel ppm ASTM D5186m >15 1 Silver ppm ASTM D5186m >25 1 Copper ppm ASTM D5186m >200 -1 Astm D5186m >200					Jul2024		
Sample Number Client Info WC0958293 Sample Date Client Info 04 Jul 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Sample Status Client Info N/A CONTAMINATION method Imilibase current history1 history2 Water WC Method >0.2 NEG WEAR METALS method imilibase current history1 history2 PQ ASTM 0585(m) 51 1 Nickel ppm ASTM 0585(m) 52 1 Sliver ppm ASTM 0585(m) >200 Copper ppm ASTM 0585(m) >200 Astim 0585(m) 525 0	SAMPLE INFORM	ATION	method	limit/base	current	historv1	history2
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Dil Changed Client Info N/A Sample Status Imit/base current history1 history2 CONTAMINATION method limit/base current history1 history2 Water WC Method >0.2 NEG WEAR METALS method limit/base current history1 history2 PQ ASTM D8184* 8 Vickel ppm ASTM D5185(m) >15 1 Silver ppm ASTM D5185(m) >15 1 Radd ppm ASTM D5185(m) >25 <1	J						
Sample Status NORMAL CONTAMINATION method limit/base current history1 history2 Water WC Method >0.2 NEG WEAR METALS method limit/base current history1 history2 PQ ASTM D8184' 8 Nickel ppm ASTM D5185(m) >15 1 Nickel ppm ASTM D5185(m) 0 Auminum ppm ASTM D5185(m) >20 <1	-						
Water WC Method >0.2 NEG WEAR METALS method limit/base current history1 history2 PQ ASTM D8184' 8 Dromium ppm ASTM D8186'm >200 78 Nickel ppm ASTM D5185(m) >15 1 Nickel ppm ASTM D5185(m) 25 <1	-						
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Irron ppm ASTM D5185(m) >200 78 Chromium ppm ASTM D5185(m) >15 1 Nickel ppm ASTM D5185(m) >15 <1	WEAR METALS		method	limit/base	current	history1	history2
Dromium ppm ASTM D5185(m) >15 1 Nickel ppm ASTM D5185(m) >15 <1	PQ		ASTM D8184*		8		
Nickel ppm ASTM D5188(m) >15 <1 Titanium ppm ASTM D5188(m) 0 Silver ppm ASTM D5188(m) >25 <1	ron	ppm	ASTM D5185(m)	>200	78		
Titanium ppm ASTM D5185(m) 0 Silver ppm ASTM D5185(m) >25 <1	Chromium	ppm	ASTM D5185(m)	>15	1		
Silver ppm ASTM D5185(m) 0 Aluminum ppm ASTM D5185(m) >25 <1	Nickel	ppm	ASTM D5185(m)	>15	<1		
Aluminum ppm ASTM D5185(m) >25 <1	Titanium	ppm	ASTM D5185(m)		0		
Lead ppm ASTM D5185(m) >100 4 Copper ppm ASTM D5185(m) >200 <1	Silver	ppm	ASTM D5185(m)		0		
Copper ppm ASTM D5185(m) >200 <1 Tin ppm ASTM D5185(m) >25 0 Antimony ppm ASTM D5185(m) >5 0 Antimony ppm ASTM D5185(m) 0 Vanadium ppm ASTM D5185(m) 0 Beryllium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 25 16 Molybdenum ppm ASTM D5185(m) 12 4 Maganese ppm ASTM D5185(m) 25 16 Calcium ppm ASTM D5185(m) 25 3 Calcium ppm ASTM D5185(m) 25	Aluminum	ppm	ASTM D5185(m)	>25	<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) 25 16 Barium ppm ASTM D5185(m) 12 4 Maganese ppm ASTM D5185(m) 2 Calcium ppm ASTM D5185(m) 25 3 Calcium ppm ASTM D5185(m) 25 8 Calcium ppm ASTM D5185(m) <	_ead	ppm	ASTM D5185(m)	>100	4		
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) 25 16 Barium ppm ASTM D5185(m) 12 4 Maganese ppm ASTM D5185(m) 5 0 Magnesium ppm ASTM D5185(m) 25 3 Calcium ppm ASTM D5185(m) 25 3 Calcium ppm ASTM D5185(m) 25 8 Sulfur ppm ASTM D5185(Copper	ppm	ASTM D5185(m)	>200	<1		
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BerylliumppmASTM D5185(m)0CadmiumppmASTM D5185(m)0ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185(m)2516BariumppmASTM D5185(m)124BariumppmASTM D5185(m)50MolybdenumppmASTM D5185(m)2MaganeseppmASTM D5185(m)25<1	,	ppm	ASTM D5185(m)	>5	0		
CadmiumppmASTM D5185(m)0ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185(m)2516BariumppmASTM D5185(m)124MolybdenumppmASTM D5185(m)50ManganeseppmASTM D5185(m)25<1		ppm	× 7		-		
ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185(m)2516BariumppmASTM D5185(m)124MolybdenumppmASTM D5185(m)50ManganeseppmASTM D5185(m)2MagnesiumppmASTM D5185(m)25<1	Beryllium	ppm					
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Manganese ppm ASTM D5185(m) 2 Magnesium ppm ASTM D5185(m) 25 <1	Barium	ppm	ASTM D5185(m)	12	4		
Magnesium ppm ASTM D5185(m) 25 <1 Calcium ppm ASTM D5185(m) 25 3 Phosphorus ppm ASTM D5185(m) 375 382 Zinc ppm ASTM D5185(m) 25 8 Sulfur ppm ASTM D5185(m) 25 8 Sulfur ppm ASTM D5185(m) 4900 4810 Lithium ppm ASTM D5185(m) 4900 4810 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >50 8 Sodium ppm ASTM D5185(m) >20 2 Potassium ppm ASTM D5185(m) >20 2 FLUID DEGRADATION method	Volybdenum	ppm	ASTM D5185(m)	5	0		
Calcium ppm ASTM D5185(m) 25 3 Phosphorus ppm ASTM D5185(m) 375 382 Zinc ppm ASTM D5185(m) 25 8 Sulfur ppm ASTM D5185(m) 25 8 Lithium ppm ASTM D5185(m) 4900 4810 Lithium ppm ASTM D5185(m) 1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >50 8 Sodium ppm ASTM D5185(m) >20 2 Potassium ppm ASTM D5185(m) >20 2 FLUID DEGRADATION method limit/base current history1 history2	Vanganese	ppm	ASTM D5185(m)		2		
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Potassium ppm ASTM D5185(m) >20 2 FLUID DEGRADATION method limit/base current history1 history2	Silicon	ppm	ASTM D5185(m)	>50	8		
FLUID DEGRADATION method limit/base current history1 history2	Sodium	ppm	ASTM D5185(m)		2		
	Potassium	ppm	ASTM D5185(m)	>20	2		
Acid Number (AN) mg KOH/g ASTM D974* 1.10 0.77	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D974*	1.10	0.77		



OIL ANALYSIS REPORT





	VISUAL		method	limit/base	current	history1	history2
	White Metal	scalar	Visual*	NONE	VLITE		
	Yellow Metal	scalar		NONE	NONE		
	Precipitate	scalar	Visual*	NONE	NONE		
	Silt	scalar	Visual*	NONE	NONE		
	Debris	scalar	Visual*	NONE	NONE		
	Sand/Dirt	scalar	Visual*	NONE	NONE		
	Appearance	scalar	Visual*	NORML	NORML		
	Odor	scalar	Visual*	NORML	NORML		
	Emulsified Water	scalar	Visual*	>0.2	NEG		
	Free Water		Visual*	>0.2	NEG		
- 5					NEG		
	FLUID PROPERT	IES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D7279(m)	150	147		
	SAMPLE IMAGES	\$	method	limit/base	current	history1	history2
	Color					no image	no image
	Bottom					no image	no image
	GRAPHS						1
	Ferrous Alloys				PQ		
8	1 ⁰			220			
6				200	- Severe		
E 4	0			180			
2	0						
				 140			
	Jul4/24			\$/24			
	Jul			"파 120 문			
	Non-ferrous Metals	5		100	Abnormal		
1	Copper]			80			
	8 - lead			60			
bbw	6 tin			40			
	**						
	2			20			
	Jul4/24			Jul4/24			
	lu L			łuł	Jul4/24		
	Viscosity @ 40°C				Acid Number		
18				2.50			
17	0+			₩ 100 2.00	Abnormal		
0.05 (40°C) 12 (40°C)	0- -			ຍິ 1.50	Bace		
əz 15	0 - pase	******			0		
14				(b)HQ 2.50 (b)HQ 2.00 (b)HQ 7.00 (b)HQ 1.50 (c)HQ 7.00 (c)HQ 7.00	Abnormal		
13				U.UU			
	Jul4/24			Jul4/24	Jul4/24		
). :W	/earCheck - C8-1175 /C0958293 2647212	JAYLOR	FABRICATII R.R. ORTON, (
	812764						
ger:lN							
	ntact Customer Servi	co at 1-8	00-268-213	Contact: IVAN RADIS			

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.

F: (519)787-0471 Contact/Location: IVAN RADISIC - FABORT

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IRadisic@jaylor.com

T: (519)787-9353

Report Id: FABORT [WCAMIS] 02647212 (Generated: 07/11/2024 17:32:59) Rev: 1

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