

OIL ANALYSIS REPORT

Sample Rating Trend



TOLE_U2 TOLE_U2_M2 Component

Non-Drive End Bearing Elui

ROYAL PURPLE SYNFILM GT 32 (4 QTS)

Recommendation

Resample at the next service interval to monitor.

Wear

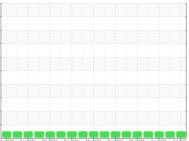
All component wear rates are normal.

Contamination

The water content is negligible. 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.



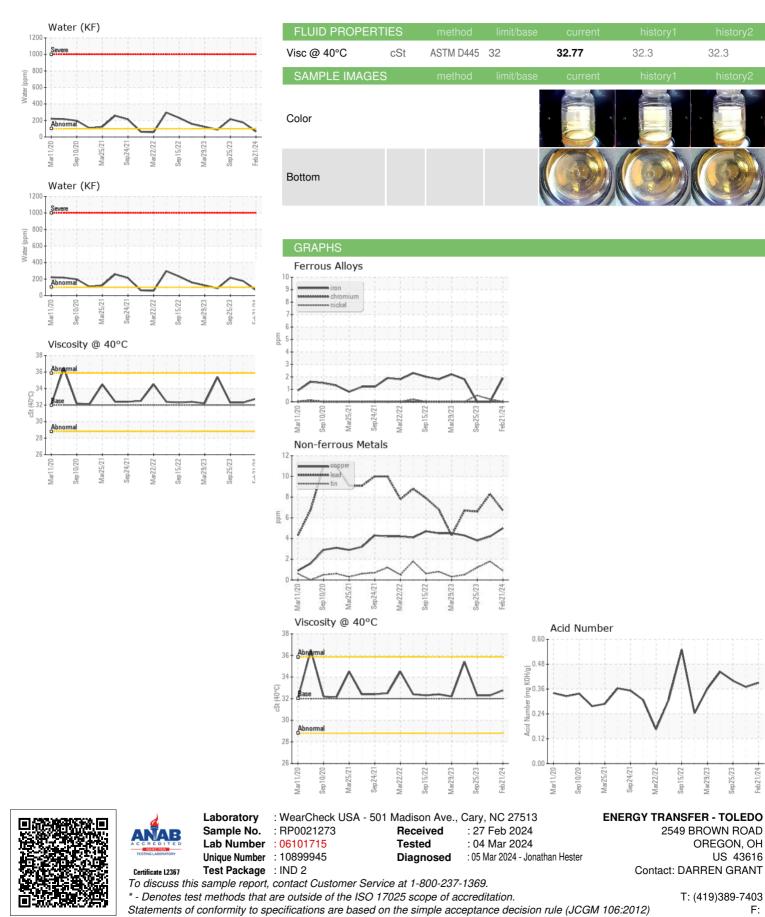


Ar2020 Sm2020 Mar2021 Sm2021 Mar2022 Sm2027 Mar2023 Sm2023 Feb202

Sample NumberClient InfoPR0021273RP0034040RP0026193Sample DateClient Info21 Feb 202416 Nov 202325 Sep 2023Machine AgehrsClient Info000Oil AgehrsClient Info000Oil AgehrsClient InfoN/AN/AN/ASample StatusClient InfoN/AN/ANORMALNORMALWEAR METALSmethodmulti NormalNormalNormalNormalIronppmASTM 05155>20000NickelppmASTM 05155>20000SilverppmASTM 05155>20000SilverppmASTM 05155>20787CopperppmASTM 05155>20<121VanadiumppmASTM 05155>20<121VanadiumppmASTM 05155<0000ADDITIVESmethodImit/basecurrentNistory1MagnaeseppmASTM 05155<0000MagnaeseppmASTM 05155<1<1<1MagnaeseppmASTM 05155<1<1<1MagnaeseppmASTM 05155<0000MagnaeseppmASTM 05155<1<1<1<1MagnaeseppmASTM 05155<2<1 <th>SAMPLE INFORM</th> <th>MATION</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age Cil Age Cil Age Cil ChangedCilent Info000Cil Changed Sample StatusClient InfoN/AN/AN/AWEAR METALSImethodImit/base CurrentNORMALNORMALNORMALWEAR METALSmethodImit/basecurrenthistory1history2IronppmASTM 05185n>20200NickelppmASTM 05185n>20011TitaniumppmASTM 05185n>200000SilverppmASTM 05185n>207877CopperppmASTM 05185n>205444TinppmASTM 05185n>205444TinppmASTM 05185n>205444YanadiumppmASTM 05185n>205444TinppmASTM 05185n>205444SilonppmASTM 05185n00000AdaminppmASTM 05185n20currenthistory2111KandingppmASTM 05185n20000000KandingppmASTM 05185n000000000001111111111 <t< th=""><th>Sample Number</th><th></th><th>Client Info</th><th></th><th>RP0021273</th><th>RP0034040</th><th>RP0026159</th></t<>	Sample Number		Client Info		RP0021273	RP0034040	RP0026159
Oil Age Oil Age Oil ChargedClient Info000Oil ChargedClient InfoN/AN/AN/ASample StatusImitosoNORMALNORMALNORMALWEAR METALSmethodImitosoPostovicaNormalIronppmASTM 05185n>20200NickelppmASTM 05185n>20000NickelppmASTM 05185n>20000SilverppmASTM 05185n>200-1-1LeadppmASTM 05185n>20787CopperppmASTM 05185n>20544TinppmASTM 05185n>20-1121VanadiumppmASTM 05185n>20-1121VanadiumppmASTM 05185n0000ASTM 05185n>20-11211VanadiumppmASTM 05185n0000BoronppmASTM 05185n0000MagneseppmASTM 05185n0000MagneseppmASTM 05185n0-11-1MagneseppmASTM 05185n0-11-1MagneseppmASTM 05185n0-11-1MagneseppmASTM 05185n-200-11-1MagneseppmA	Sample Date		Client Info		21 Feb 2024	16 Nov 2023	25 Sep 2023
Oil Changed Client Info N/A N/A N/A N/A Sample Status Image of the status Image of the status Image of the status Normal Norma	Machine Age	hrs	Client Info		0	0	0
Sample Status method Imm/base current NORMAL NORMAL NORMAL WEAR METALS method imm/base current history1 history2 Iron ppm ASTM D5185m >20 0 0 0 Nickel ppm ASTM D5185m >20 0 <1 <1 Titanium ppm ASTM D5185m >20 0 <1 <1 Lead ppm ASTM D5185m >20 7 8 7 Copper ppm ASTM D5185m >20 7 4 4 Tin ppm ASTM D5185m >20 <1 2 1 Vanadium ppm ASTM D5185m >20 <1 2 1 Copper ppm ASTM D5185m >0 0 0 0 Cadmium ppm ASTM D5185m 0 0 1 1 Vanadium ppm ASTM D5185m 0 0 <	Oil Age	hrs	Client Info		0	0	0
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Iron ppm ASTM DS185m >20 2 0 0 Chromium ppm ASTM DS185m >20 0 <1	Sample Status				NORMAL	NORMAL	NORMAL
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NickelppmASTM D5185m>200<1	Chromium	ppm	ASTM D5185m	>20	0	0	0
Silver ppm ASTM D5185m Q Q 1 <1	Nickel		ASTM D5185m	>20	0	<1	<1
Aluminum ppm ASTM D5185m >20 0 <1	Titanium	ppm	ASTM D5185m		0	0	0
Aluminum ppm ASTM D5185m >20 0 <1	Silver	ppm	ASTM D5185m		0	0	0
Copper ppm ASTM D5185m >20 5 4 4 Tin ppm ASTM D5185m >20 <1 2 1 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Marganese ppm ASTM D5185m 0 <11 <1 Magnesium ppm ASTM D5185m 0 <11 2 Phosphorus ppm ASTM D5185m 2 4 1 2 Silicon ppm ASTM D5185m 2 0 <14 1 2 Sodium ppm ASTM D5185m 20 0 <1 0 0 Vater % ASTM D5185m 20 0 <1 0 <th>Aluminum</th> <th></th> <th>ASTM D5185m</th> <th>>20</th> <th>0</th> <th><1</th> <th><1</th>	Aluminum		ASTM D5185m	>20	0	<1	<1
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SiliconppmASTM D5185m>15<1			ASTM D5185m		0	0	4
SodiumppmASTM D5185m333PotassiumppmASTM D5185m>200<10Water%ASTM D6304>20.0060.0170.021ppm WaterppmASTM D6304>20.0060.0170.021ppm WaterppmASTM D630465176216.7FLUID DEGRADATION method limit/base current history1 history2Acid Number (AN)mg KOHgASTM D80450.390.370.4VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNORMLNORMLNORMLNORMLAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>2NEGNEGNEG	CONTAMINANTS	;	method	limit/base	current	history1	history2
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PotassiumppmASTM D5185m>200<1	Sodium		ASTM D5185m		3	3	3
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Acid Number (AN)mg KOH/gASTM D80450.390.370.4VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>2NEGNEGNEG	ppm Water	ppm	ASTM D6304		65	176	216.7
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Odorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>2NEGNEG	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
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	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Free Water scalar *Visual NEG SWEG: itted By: JONEBLAZEY	Emulsified Water	scalar	*Visual	>2	NEG	NEG	NEG
	Free Water	scalar	*Visual		NEG	SWEG itted B	y: JONEBLAZEY



OIL ANALYSIS REPORT



Submitted By: JOE BLAZEY

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