

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

WMPT_U1 WMPT_U1_P1 Component

Non-Drive End Pump SHELL TELLUS 32 (--- GAL)

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.

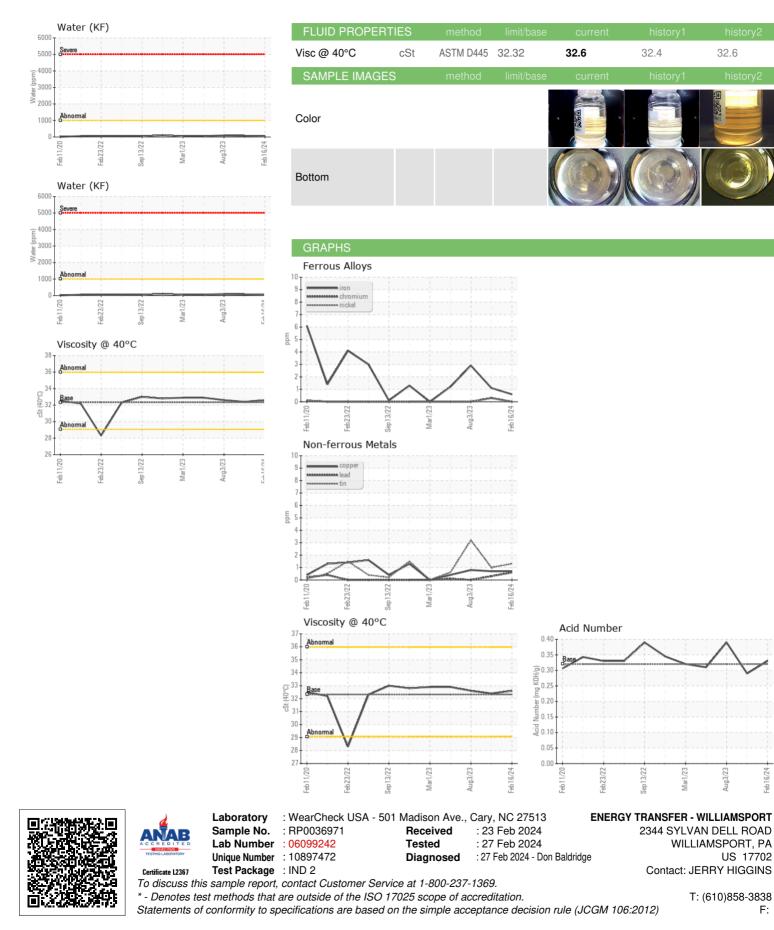
Fluid Condition

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

Name Name Name Name Name Name Name Name SAMPLE INFORMATION method imit/base current RP0036971 RP0026622 RP0026622 RP0026622 RP0036971 RP0026622 RP0036971 RP0026622 RP0036971 RP0026622 RP0036971 RP0036971 RP0036971 RP0036971 RP0036971 RD014222 G3 Aug 2023 Machine Age hrs Client Info 0 0 0 0 0 Oil Changed Client Info N/A N/A N/A N/A N/A Sample Status method Imit/base current history1 history1 history1 Iron ppm ASIM 05185m >0 <1 1 3 Silver ppm ASIM 05185m >3 0 <1 1 3 Silver ppm ASIM 05185m >1 1 3 0 1 1 Auminum ppm ASIM 05185m >1							
Sample Number Client Info PP0036971 RP0026622 RP002615 Sample Date Client Info 0 0 0 0 Machine Age hrs Client Info 0 0 0 0 Oll Age hrs Client Info 0 0 0 0 Oll Age Client Info N/A N/A N/A N/A Sample Status remetod Imit/base current History! History! Kronnium ppm ASTM D5185m >90 <1 1 3 Kronnium ppm ASTM D5185m >30 0 <1 0 Silver ppm ASTM D5185m >30 0 <1 0 Silver ppm ASTM D5185m >30 <1 1 3 Silver ppm ASTM D5185m 30 <1 1 0 Copper ppm ASTM D5185m 30 <1 0 0 <			Feb 2020	Feb2022 Sep2022	Mar2023 Aug2023	Feb 2024	
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Machine Age hrs Client Info 0 0 0 Oil Age hrs Client Info 0 0 0 Oil Age hrs Client Info N/A N/A N/A Sample Status Image Client Info NORMAL NORMAL NORMAL WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >90 <1	Sample Number		Client Info		RP0036971	RP0026622	RP0026615
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Sample Status Moritha NORMAL NORMAL NORMAL WEAR METALS method Imitibase current history1 history2 Iron ppm ASTM D5185m >50 <1	Oil Age	hrs	Client Info		0	0	0
WEAR METALS method limit/base current history1 history2 from ppm ASTM 05165m >50 <1	Oil Changed		Client Info			N/A	N/A
Iron ppm ASTM D5185n >90 <1 1 3 Chromium ppm ASTM D5185n >5 0 <1	Sample Status				NORMAL	NORMAL	NORMAL
Chromium ppm ASTM D5185m >5 0 <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m >5 0 <1 0 Titanium ppm ASTM D5185m >3 0 <1	Iron	ppm	ASTM D5185m	>90	<1	1	3
Titanium ppm ASTM D5185m >3 0 <1 0 Silver ppm ASTM D5185m >3 0 <1	Chromium	ppm	ASTM D5185m	>5	0	<1	0
Silver ppm ASTM D5185m >3 0 <1 0 Aluminum ppm ASTM D5185m >7 <1	Nickel	ppm	ASTM D5185m	>5	0	<1	0
Aluminum ppm ASTM D5185m >7 <1 2 0 Lead ppm ASTM D5185m >12 <1	Titanium	ppm	ASTM D5185m	>3	0	<1	0
Lead ppm ASTM D5185m >12 <1 <1 0 Copper ppm ASTM D5185m >30 <1	Silver	ppm	ASTM D5185m	>3	0	<1	0
Copper ppm ASTM D5185m >30 <1 <1 <1 Tin ppm ASTM D5185m >9 1 1 3 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 <1	Aluminum	ppm	ASTM D5185m	>7	<1	2	0
Tin ppm ASTM D5185m >9 1 1 3 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 <1 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 1 Molybdenum ppm ASTM D5185m 0 <1 <1 <1 Manganese ppm ASTM D5185m 0 <11 66 65 <1 Calcium ppm ASTM D5185m 35 13 12 17 Phosphorus ppm ASTM D5185m 259 295 276 284 Zinc ppm ASTM D5185m 277 346 341 356 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 <1	Lead	ppm	ASTM D5185m	>12	<1	<1	0
Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 <1	Copper	ppm	ASTM D5185m	>30	<1	<1	<1
Cadmium ppm ASTM D5185m 0 <1 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 <1 <1 Manganese ppm ASTM D5185m 0 <11 <1 Manganese ppm ASTM D5185m <11 67 66 65 Calcium ppm ASTM D5185m 259 295 276 284 Zinc ppm ASTM D5185m 277 346 341 356 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 277 346 341 356 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 <1 0.007 0.009 </td <td>Tin</td> <td>ppm</td> <td>ASTM D5185m</td> <td>>9</td> <th>1</th> <td>1</td> <td>3</td>	Tin	ppm	ASTM D5185m	>9	1	1	3
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Barium ppm ASTM D5185m 0 0 1 Molybdenum ppm ASTM D5185m 0 <1 <1 Manganese ppm ASTM D5185m <1 0 0 Magnesium ppm ASTM D5185m 11 67 66 65 Calcium ppm ASTM D5185m 35 13 12 17 Phosphorus ppm ASTM D5185m 259 295 276 284 Zinc ppm ASTM D5185m 277 346 341 356 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >60 <1 1 0 Sodium ppm ASTM D5185m >20 <1 1 0 Water % ASTM D6304 >.1 0.0005 0.007 0.009 ppm ASTM D6304 >.1000 57 72.1 94.8 <t< th=""><th>ADDITIVES</th><th></th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></t<>	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 <1 <1 Manganese ppm ASTM D5185m 11 67 66 65 Calcium ppm ASTM D5185m 35 13 12 17 Phosphorus ppm ASTM D5185m 259 295 276 284 Zinc ppm ASTM D5185m 257 346 341 356 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 260 <1	Boron	ppm	ASTM D5185m		0	0	0
Manganese ppm ASTM D5185m <1 0 0 Magnesium ppm ASTM D5185m 11 67 66 65 Calcium ppm ASTM D5185m 35 13 12 17 Phosphorus ppm ASTM D5185m 259 295 276 284 Zinc ppm ASTM D5185m 277 346 341 356 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >60 <1	Barium	ppm	ASTM D5185m		0	0	1
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MagnesiumppmASTM D5185m11676665CalciumppmASTM D5185m35131217PhosphorusppmASTM D5185m259295276284ZincppmASTM D5185m277346341356CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>60<1	•		ASTM D5185m		<1	0	0
CalciumppmASTM D5185m35131217PhosphorusppmASTM D5185m259295276284ZincppmASTM D5185m277346341356CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>60<1		ppm	ASTM D5185m	11	67	66	65
ZincppmASTM D5185m277346341356CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>60<1	Calcium	ppm	ASTM D5185m	35	13	12	17
ZincppmASTM D5185m277346341356CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>60<1	Phosphorus	ppm	ASTM D5185m	259	295	276	284
SiliconppmASTM D5185m>60<1<1<1SodiumppmASTM D5185m<1	Zinc	ppm	ASTM D5185m	277	346	341	356
SodiumppmASTM D5185m<1	CONTAMINANTS		method	limit/base	current	history1	history2
PotassiumppmASTM D5185m>20<110Water%ASTM D6304>.10.0050.0070.009ppmWaterppmASTM D6304>10005772.194.8FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOH/gASTM D80450.320.330.290.39VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLRegular%isualNORMLNORMLNORMLNORMLNORML	Silicon	ppm	ASTM D5185m	>60	<1	<1	<1
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Acid Number (AN)mg KOH/gASTM D80450.320.330.290.39VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.1NEGNEGNEG	ppm Water	ppm			57		
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	Free Water		*Visual		NEG	SNE Gnitted B	y:Nikades Puc



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