

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

2553028)



n2009 Am2012 Aus2015 Oct2016 Sep2018 Jan2020 Mw2021 Jan2023

Sample Date Client Info 08 Jan 2024 25 Sep 2023 12 Aug 2 Machine Age hrs Client Info 0 0 0 Oil Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A Sample Status Client Info N/A N/A N/A WEAR METALS method Imit/base current history1 history1 Iron ppm ASTM D5185m >8 4 1 <1 Olickel ppm ASTM D5185m >2 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 Copper ppm ASTM D5185m >2 1 0 0 Vanadium ppm ASTM D5185m >2 1 0 0 Cadmium ppm ASTM D5185m >2 1 0 0 Cadmium ppm ASTM D5185m	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 0 0 Oil Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A Sample Status Imit/base current history1 NormAL WEAR METALS method imit/base current history1 Nickel Iron ppm ASTM D5185m >8 4 1 <1	Sample Number		Client Info		USP0005230	USP0001926	USP000069
Oil Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status method Imitibase current history1 history1 Iron ppm ASTM D5185m >8 4 1 <1	Sample Date		Client Info		08 Jan 2024	25 Sep 2023	12 Aug 2023
Oil Changed Client Info N/A N/A N/A N/A Sample Status method imit/base current history1 history1 WEAR METALS method imit/base current history1 history1 Iron ppm ASTM D5185m >8 4 1 <1	Machine Age	hrs	Client Info		0	0	0
Sample Status NORMAL NORMAL NORMAL NORMAL NORMAL WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >2 <1	Oil Age	hrs	Client Info		0	0	0
Sample Status NORMAL NORMAL NORMAL NORMAL NORMAL WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >8 4 1 <1	Oil Changed		Client Info		N/A	N/A	N/A
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Chromium ppm ASTM D5185m >2 <1 0 0 Nickel ppm ASTM D5185m <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m <1 0 0 Titanium ppm ASTM D5185m <1	Iron	ppm	ASTM D5185m	>8	4	1	<1
Titanium ppm ASTM D5185m <1 0 0 Silver ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >3 0 0 1 Lead ppm ASTM D5185m >2 <1	Chromium	ppm	ASTM D5185m	>2	<1	0	0
Silver ppm ASTM D5185m >2 0 0 1 Lead ppm ASTM D5185m >3 0 0 1 Lead ppm ASTM D5185m >2 <1	Nickel	ppm	ASTM D5185m		<1	0	0
Atuminum ppm ASTM D5185m >3 0 0 1 Lead ppm ASTM D5185m >2 <1	Titanium	ppm	ASTM D5185m		<1	0	0
Lead ppm ASTM D5185m >2 <1 0 0 Copper ppm ASTM D5185m >8 <1	Silver	ppm	ASTM D5185m	>2	0	0	0
Copper ppm ASTM D5185m >8 <1 <1 <1 <1 Tin ppm ASTM D5185m >4 <1	Aluminum	ppm	ASTM D5185m	>3	0	0	1
Copper ppm ASTM D5185m >8 <1 <1 <1 Tin ppm ASTM D5185m >4 <1	Lead	ppm	ASTM D5185m	>2	<1	0	0
Tin ppm ASTM D5185m >4 <1 <1 0 Vanadium ppm ASTM D5185m 0 0 <1	Copper		ASTM D5185m	>8	<1	<1	<1
Vanadium ppm ASTM D5185m 0 0 <1 Cadmium ppm ASTM D5185m <1			ASTM D5185m	>4	<1	<1	0
Cadmium ppm ASTM D5185m <1 0 0 ADDITIVES method limit/base current history1 histor Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 Magnese ppm ASTM D5185m <1 <1 0 0 Magnesium ppm ASTM D5185m 0 <1 <1 0 Calcium ppm ASTM D5185m 0 <1 <1 0 Colacium ppm ASTM D5185m 0 0 <1 0 Colacium ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 50 0 0 0 Sulfur ppm ASTM D5185m >15 2 <1 <1 Sodium ppm ASTM D5185m >20 <1 <1 0 <	Vanadium		ASTM D5185m		0	0	<1
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Sodium ppm ASTM D5185m 0 3 0 Potassium ppm ASTM D5185m >20 <1							
Potassium ppm ASTM D5185m >20 <1 <1 0 Water % ASTM D6304 >0.01 0.002 0.001 0.005 ppm Water ppm ASTM D6304 >100 19 10.1 57.9 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 >10000 1866 7185 7342 Particles >6µm ASTM D7647 >2500 630 1650 1892 Particles >6µm ASTM D7647 >320 34 48 71 Particles >14µm ASTM D7647 >80 6 7 8 Particles >21µm ASTM D7647 >20 0 1 0 Particles >38µm ASTM D7647 >20 0 0 0 Oli Cleanliness ISO 4406 (c) >20/18/15 18/16/12 20/18/13 20/18/15 FLUID DEGRADATION method limit/base current history1 histor				>10			
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Oil CleanlinessISO 4406 (c)>20/18/1518/16/1220/18/1320/18/FLUID DEGRADATIONmethodlimit/basecurrenthistory1history1							
FLUID DEGRADATION method limit/base current history1 histo							20/18/13
							history2
ACID NUMPER (AN) MORENA ASTRUMYA UTUS 0.014 0.014 0.014	Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.014	0.015

RECO TYSSHE 2-5 (S/N 2553028)

Refrigeration Compressor Fluid USPI ALT-68 SC (--- GAL)

BULONIO

Binditoolo

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. The amount and size of particulates present in the system are acceptable.

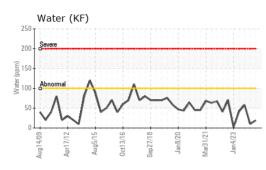
Fluid Condition

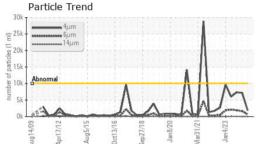
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

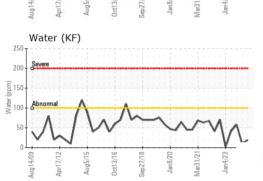
Contact/Location: WES WYATT - TYSSHETN



OIL ANALYSIS REPORT

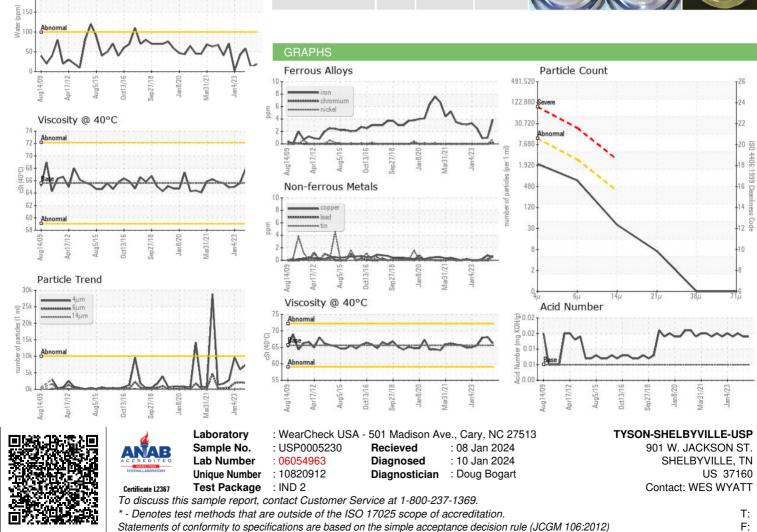








Bottom



Contact/Location: WES WYATT - TYSSHETN