

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

EXTRUDER-016 (S/N 3270694)

Component

Gearbox

CHEVRON MEROPA 320 (--- GAL)

Recommendation

Resample at the next service interval to monitor. 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

Fluid Condition

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

Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Changed Client Info Not Changd Sample Status NORMAL CONTAMINATION method limit/base current history1 history2							
Sample Number Client Info WC0402491			1		Jun2021		
Sample Date Client Info 15 Jun 2021	SAMPLE INFOR	MATION	method				history2
Sample Date Client Info 15 Jun 2021	Sample Number		Client Info		WC0402491		
Oil Age hrs Client Info Not Changed	Sample Date		Client Info		15 Jun 2021		
Not Changed Client Info Not Changed Sample Status NORMAL NORMAL	Machine Age	hrs	Client Info		0		
NORMAL Sample Status Normal Status Sample Status	Oil Age	hrs	Client Info		0		
CONTAMINATION method limit/base current history1 history2 Water WC Method >0.2 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >200 17 Chromium ppm ASTM D5185m >15 <1 Nickel ppm ASTM D5185m >15 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >25 0 Aluminum ppm ASTM D5185m >20 41 Lead ppm ASTM D5185m >20 41 Copper ppm ASTM D5185m >20 41 Candium ppm ASTM D5185m 0	Oil Changed		Client Info		Not Changd		
Water WC Method >0.2 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >200 17 Chromium ppm ASTM D5185m >15 <1 Nickel ppm ASTM D5185m >15 0 Nickel ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >25 0 Lead ppm ASTM D5185m >200 41 Copper ppm ASTM D5185m >20 41 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 Cadmium	Sample Status				NORMAL		
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >200 17 Chromium ppm ASTM D5185m >15 <1	CONTAMINATIO	DN	method	limit/base	current	history1	history2
Iron	Water		WC Method	>0.2	NEG		
Chromium	WEAR METALS		method	limit/base	current	history1	history2
Silver	ron	ppm	ASTM D5185m	>200	17		
Titanium	Chromium	ppm	ASTM D5185m	>15	<1		
Silver	Nickel	ppm	ASTM D5185m	>15	0		
Astronomega	Titanium	ppm	ASTM D5185m		0		
Description	Silver	ppm	ASTM D5185m		0		
Copper	Aluminum	ppm	ASTM D5185m	>25	0		
Astmoore	_ead	ppm	ASTM D5185m	>100	<1		
Antimony ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 20 4 Barium ppm ASTM D5185m <1 Molybdenum ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 25 <1 Calcium ppm ASTM D5185m 235 124 Phosphorus ppm ASTM D5185m 7731 Sulfur ppm ASTM D5185m >50 17 CONTAMINANTS method limit/base current history1 history2 Sodium <th< td=""><td>Copper</td><td>ppm</td><td>ASTM D5185m</td><td>>200</td><td>41</td><td></td><td></td></th<>	Copper	ppm	ASTM D5185m	>200	41		
Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 20 4 Barium ppm ASTM D5185m <1 Molybdenum ppm ASTM D5185m <1 Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 25 <1 Calcium ppm ASTM D5185m 235 124 Phosphorus ppm ASTM D5185m 7731 Sulfur ppm ASTM D5185m >50 17 CONTAMINANTS method limit/base current history1 history2 Silicon	Tin	ppm	ASTM D5185m	>25	0		
Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 20 4 Barium ppm ASTM D5185m <1	Antimony	ppm	ASTM D5185m		0		
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 20 4 Barium ppm ASTM D5185m <1	Vanadium	ppm	ASTM D5185m		0		
Boron ppm ASTM D5185m 20 4 Barium ppm ASTM D5185m <1 Molybdenum ppm ASTM D5185m 0 4 Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 25 <1 Magnesium ppm ASTM D5185m 25 <1 Magnesium ppm ASTM D5185m 25 <1 Magnesium ppm ASTM D5185m 235 124 Magnesium ppm ASTM D5185m 375 11 Magnesium ppm ASTM D5185m Magnesium ASTM D5185m Magnesium Magn	Cadmium	ppm	ASTM D5185m		0		
Sarium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 4 Manganese ppm ASTM D5185m <1	Boron	ppm	ASTM D5185m	20	4		
Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m <1	Barium	ppm	ASTM D5185m		<1		
Magnesium ppm ASTM D5185m <1 Calcium ppm ASTM D5185m 25 <1	Molybdenum	ppm	ASTM D5185m	0	4		
Calcium ppm ASTM D5185m 25 <1 Phosphorus ppm ASTM D5185m 235 124 Zinc ppm ASTM D5185m 11 Sulfur ppm ASTM D5185m 7731 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 17 Sodium ppm ASTM D5185m 0 Potassium ppm ASTM D5185m >20 0	Manganese	ppm	ASTM D5185m		<1		
Phosphorus ppm ASTM D5185m 235 124 Zinc ppm ASTM D5185m 11 Sulfur ppm ASTM D5185m 7731 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 17 Sodium ppm ASTM D5185m 0 Potassium ppm ASTM D5185m >20 0	Magnesium	ppm	ASTM D5185m		<1		
Zinc ppm ASTM D5185m 11 Sulfur ppm ASTM D5185m 7731 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 17 Sodium ppm ASTM D5185m 0 Potassium ppm ASTM D5185m >20 0	Calcium	ppm	ASTM D5185m	25	<1		
Sulfur ppm ASTM D5185m 7731 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 17 Sodium ppm ASTM D5185m 0 Potassium ppm ASTM D5185m >20 0	Phosphorus	ppm	ASTM D5185m	235	124		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 17 Sodium ppm ASTM D5185m 0 Potassium ppm ASTM D5185m >20 0	Zinc	ppm	ASTM D5185m		11		
Silicon ppm ASTM D5185m >50 17 Sodium ppm ASTM D5185m 0 Potassium ppm ASTM D5185m >20 0	Sulfur	ppm	ASTM D5185m		7731		
Sodium ppm ASTM D5185m 0 Potassium ppm ASTM D5185m >20 0	CONTAMINANT	S	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 0	Silicon	ppm	ASTM D5185m	>50	17		
	Sodium	ppm	ASTM D5185m		0		
FLUID DEGRADATION method limit/base current history1 history2	Potassium	ppm	ASTM D5185m	>20	0		
	FLUID DEGRAD	ATION	method	limit/base	current	history1	history2

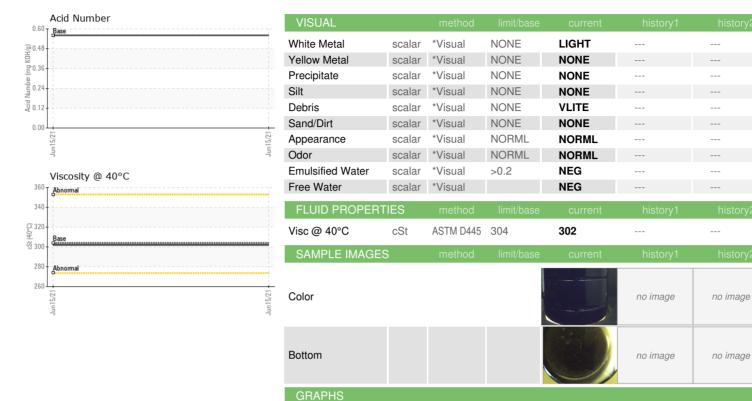
0.561

Acid Number (AN)

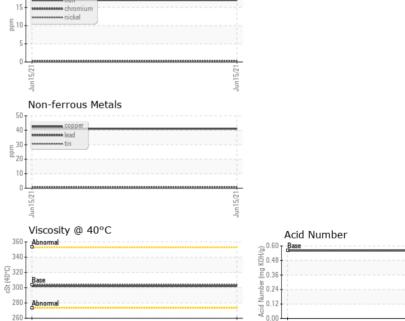
mg KOH/g ASTM D8045 0.56



OIL ANALYSIS REPORT



Ferrous Alloys







Certificate L2367

Laboratory Sample No. Lab Number Test Package : IND 2

Unique Number

: WC0402491 : 05282260 : 9551198

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed

: 17 Jun 2021 : 18 Jun 2021 : Wes Davis Diagnostician

Jun15/21.

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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