

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

3 - 1 DROP MILL

Component Gearbox

Fluid

TRC 890 VARI-PURPOSE 85W140 (125 GAL)

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.

Fluid Condition

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

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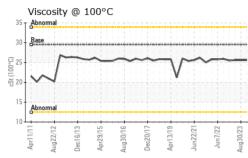


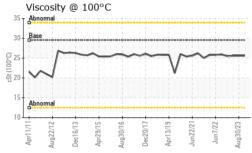
Aug2012 Dec2013 Apr2015 Aug2016 Dec2017 Apr2019 Jun2021 Jun2022 Aug2023

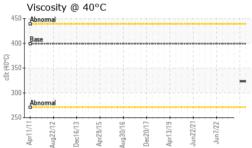
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TR06029538	TR05939817	TR05854482
Sample Date		Client Info		21 Nov 2023	30 Aug 2023	18 May 2023
Machine Age	yrs	Client Info		0	0	0
Oil Age	yrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	49	47	30
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	1	<1	1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	4	0
Lead	ppm	ASTM D5185m	>50	<1	<1	<1
Copper	ppm	ASTM D5185m	>200	13	12	23
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		0	3	1
Calcium	ppm	ASTM D5185m		0	5	8
Phosphorus	ppm	ASTM D5185m		762	708	653
Zinc	ppm	ASTM D5185m		0	8	17
Sulfur	ppm	ASTM D5185m		18416	21689	16672
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	25	23	17
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	2	2	<1
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.19	0.92	0.97



OIL ANALYSIS REPORT







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					Bo	otton	n										n	no ima	age		no ii	nage		no	o imag	le
						GRA																				
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Contact/Location: JOHN GAINES - CARCLIUS