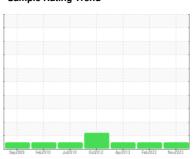


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



TURBINE LUBE OIL

Component

Turbine

CHEVRON GST OIL EP ISO 32 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data update for MPC.

Wear

All component wear rates are normal.

Contamination

MPC (Membrane Patch Colorimetry) test indicates acceptable levels of varnish present. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

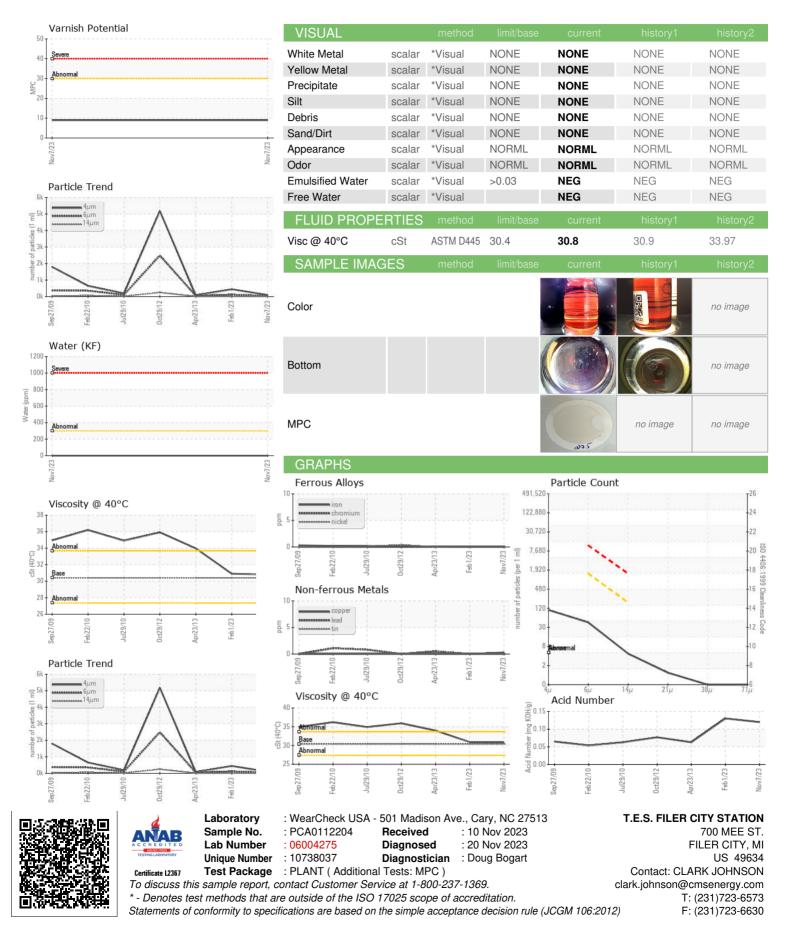
Fluid Condition

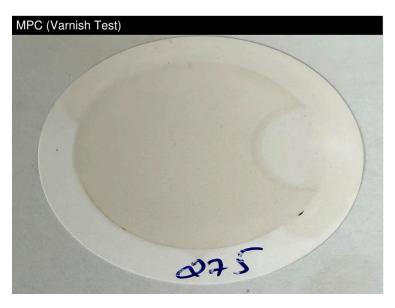
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		Sep 2009	Feb2010 Jul2010	Oct2012 Apr2013 Feb2023	Nov2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0112204	WC0722122	RW03272748
Sample Date		Client Info		07 Nov 2023	01 Feb 2023	23 Apr 2013
Machine Age	yrs	Client Info		33	0	0
Oil Age	yrs	Client Info		10	0	0
Oil Changed		Client Info		Filtered	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>15	0	0	<1
Chromium	ppm	ASTM D5185m	>4	0	0	0
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m		0	0	<1
Copper	ppm	ASTM D5185m	>5	<1	0	0
Tin	ppm	ASTM D5185m	>5	0	0	0
Antimony	ppm	ASTM D5185m				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		0	0	<1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	0	<1
Calcium	ppm	ASTM D5185m		<1	2	0
Phosphorus	ppm	ASTM D5185m		34	36	90
Zinc	ppm	ASTM D5185m		0	0	<1
Sulfur	ppm	ASTM D5185m		111	139	993
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	<1	<1
Sodium	ppm	ASTM D5185m		<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.03	NEG	NEG	NEG
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		94	445	78.
Particles >6µm		ASTM D7647	>1300	38	114	42.
Particles >14µm		ASTM D7647	>160	4	11	7.
Particles >21µm		ASTM D7647	>40	1	3	2.
Particles >38µm		ASTM D7647	>10	0	1	0.
Particles >71µm		ASTM D7647	>3	0	0	0.
Oil Cleanliness		ISO 4406 (c)	>/17/14	14/12/9	16/14/11	13/13/10
FLUID DEGRADATION method limit/base current history1 history2						
Acid Number (AN)	mg KOH/g	ASTM D8045		0.12	0.13	0.063
MPC Varnish Potential	Scale	ASTM D7843	>15	9		
0.40.55\ D						



OIL ANALYSIS REPORT







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