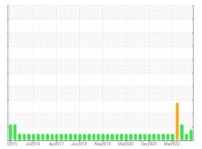


OIL ANALYSIS REPORT

Sample Rating Trend







Area DMA Machine Id DMA Component Port Main Engine Fluid

CHEVRON DELO 710 LS (300 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

The aluminum level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

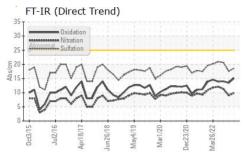
Fluid Condition

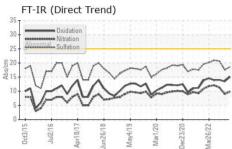
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

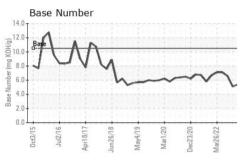
		t2015 Jul20	16 Apr2017 Jun2018	May2019 Mar2020 Dec2020 1	Vlar2022	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		MW0050794	MW0065615	MW0010188
Sample Date		Client Info		08 May 2024	29 Mar 2024	01 Jul 2022
Machine Age	hrs	Client Info		2965	2007	28144
Oil Age	hrs	Client Info		2469	2007	9352
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	ATTENTION
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>75	46	47	25
Chromium	ppm	ASTM D5185m	>8	1	<1	1
Nickel	ppm	ASTM D5185m	>2	0	0	1
Titanium	ppm	ASTM D5185m	>3	<1	0	<1
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>15	2	1	3
Lead	ppm	ASTM D5185m	>18	29	17	8
Copper	ppm	ASTM D5185m	>80	35	38	26
Tin	ppm	ASTM D5185m	>14	10	9	6
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		33	39	45
Barium	ppm	ASTM D5185m		<1	2	0
Molybdenum	ppm	ASTM D5185m		44	45	47
Manganese	ppm	ASTM D5185m		<1	2	<1
Magnesium	ppm	ASTM D5185m		10	13	21
Calcium	ppm	ASTM D5185m		3228	3315	3698
Phosphorus	ppm	ASTM D5185m		5	1	9
Zinc	ppm	ASTM D5185m		4	6	3
Sulfur	ppm	ASTM D5185m		2237	2304	2509
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	5	6	18
Sodium	ppm	ASTM D5185m	>75	2	3	7 2
Potassium	ppm	ASTM D5185m	>20	1	<1	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.1	0.5
Nitration	Abs/cm	*ASTM D7624	>20	9.9	9.0	11.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.6	17.6	20.6
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.1	13.5	14.0
Base Number (BN)	mg KOH/g	ASTM D2896	10.5	5.4	5.1	6.6
()	0 - 3					

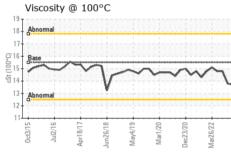


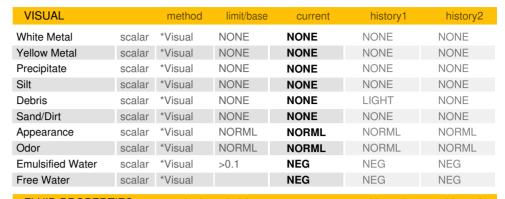
OIL ANALYSIS REPORT





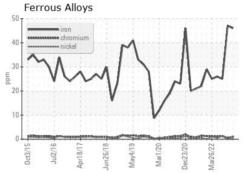


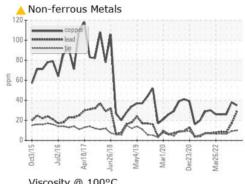


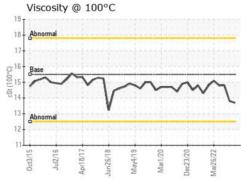


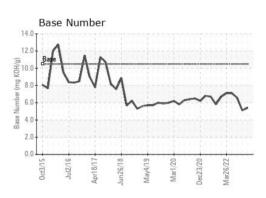
FLUID PROPER	TIES	memod	iiiiii/base	current	riistory i	riistoryz
Visc @ 100°C	cSt	ASTM D445	15.5	13.7	13.8	14.8

GRAPHS













Laboratory Sample No.

Lab Number : 06194800 Unique Number : 11056923

: MW0050794 Test Package : MAR 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 May 2024 **Tested** : 30 May 2024

Diagnosed : 31 May 2024 - Sean Felton

AMERICAN RIVER TRANSPORTATION CO.

P.O. BOX 2889 ST. LOUIS, MO US 63111

F: (314)481-5278

Contact: BRIAN GRIEWING brian.griewing@adm.com T:

Certificate 12367

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)