

WEARNORMALCONTAMINATIONNORMALFLUID CONDITIONNORMAL

Machine Id MIS Component Port Genset Fluid CHEVRON DELO 400 MULTIGRADE 15W40 (--- GAL)

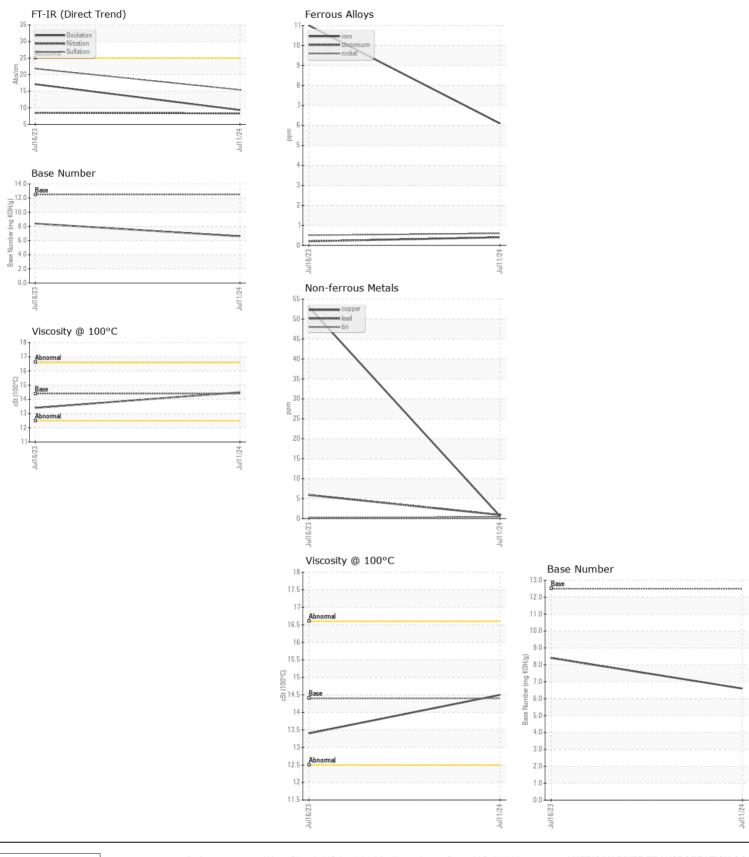
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RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		MW0054568	MW0054595	
	Sample Date		Client Info		11 Jul 2024	16 Jul 2023	
	Machine Age	hrs	Client Info		21333	0	
	Oil Age	hrs	Client Info		499	0	
	Filter Age	hrs	Client Info		499	0	
	Oil Changed		Client Info		Changed	N/A	
	Filter Changed		Client Info		Changed	N/A	
	Sample Status				NORMAL	ABNORMAL	
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>50	6	11	
	Chromium	ppm	ASTM D5185m		<1	<1	
	Nickel	ppm	ASTM D5185m		<1	<1	
	Titanium	ppm	ASTM D5185m	~_	<1	7	
	Silver	ppm	ASTM D5185m	>5	0	0	
	Aluminum	ppm	ASTM D5185m		3	2	
	Lead	ppm	ASTM D5185m		ہ <1	6	
	Copper	ppm	ASTM D5185m		<1	▲ 53	
	Tin	ppm	ASTM D5185m		<1	<1	
	Vanadium	ppm	ASTM D5185m	210	<1	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
		Scalai	visual			NONL	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	4	5	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	2	2	
	Fuel		WC Method	>4.0	<1.0	<1.0	
	Water		WC Method	>0.1	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844		0.1	0.1	
	Nitration	Abs/cm	*ASTM D7624	>20	8.3	8.5	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	15.4	21.8	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	0	
	Boron	ppm	ASTM D5185m	151	39	160	
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		<1	0	
	Molybdenum	ppm	ASTM D5185m		45	78	
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium	ppm	ASTM D5185m	0	11	669	
	Calcium	ppm	ASTM D5185m		3347	1582	
	Phosphorus	ppm	ASTM D5185m		24	713	
	Zinc	ppm	ASTM D5185m		9	865	
	Sulfur	ppm	ASTM D5185m		2186	2836	
	Oxidation	Abs/.1mm	*ASTM D7414		9.3	17.1	
	Base Number (BN)	mg KOH/g	ASTM D2896		6.6	8.4	
		cSt	ASTM D445	1//	14.5	13.4	

Visc @ 100°C cSt

ASTM D445 14.4

13.4

14.5



AMERICAN RIVER TRANSPORTATION CO Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : MW0054568 Received 209 W VACO RD : 17 Jul 2024 WICKLIFFE, KY Lab Number : 06238953 Tested : 18 Jul 2024 Unique Number : 11127787 Diagnosed : 19 Jul 2024 - Sean Felton US 42087 Test Package : MAR 2 Contact: CRAIG MALASCHAK Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. craig.malaschak@adm.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (314)457-2170 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Contact/Location: CRAIG MALASCHAK - AMEWIC Page 2 of 2