

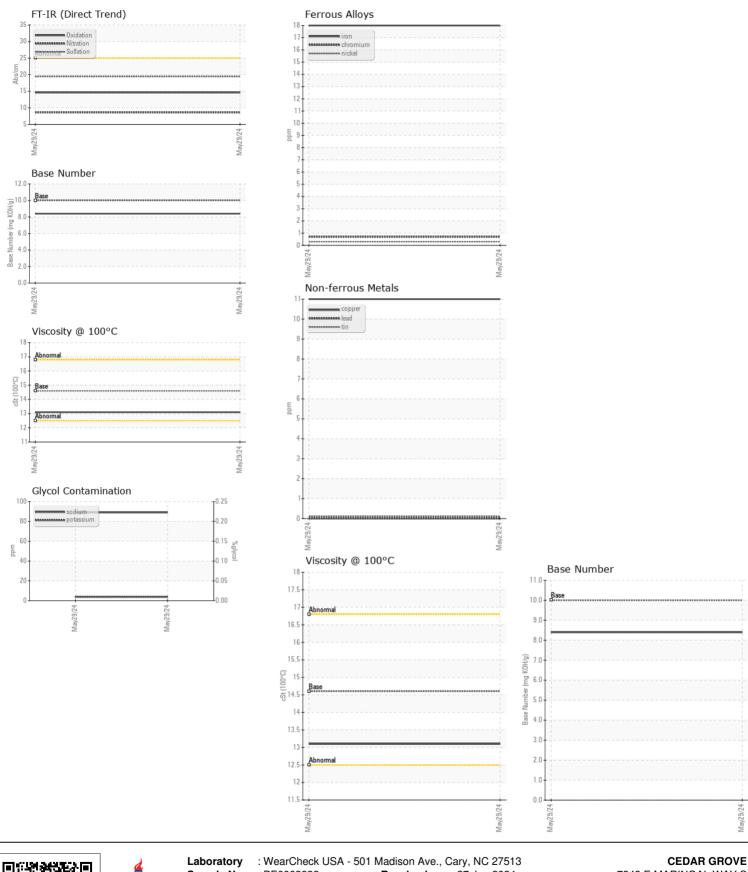
Machine Id **CARRIER CRANE CARRIER 8098029** Component **Diesel Engine** Fluid **CHEVRON DELO 400 SDE SAE 15W40 (24 QTS)**

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		PE0003938		
	Sample Date		Client Info		29 May 2024		
	Machine Age	hrs	Client Info		13046		
	Oil Age	hrs	Client Info		500		
	Filter Age	hrs	Client Info		500		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ATTENTION		
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>90	18		
	Chromium	ppm	ASTM D5185m	>20	<1		
	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m	>2	<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		7		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		11		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	5		
Sodium and/or potassium levels are high. Test for glycol is negative.	Potassium	ppm	ASTM D5185m	>20	4		
	Fuel		WC Method	>3.0	<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol	%	*ASTM D2982		NEG		
	Soot %	%	*ASTM D7844	>6	0.6		
	Nitration	Abs/cm	*ASTM D7624	>20	8.6		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.4		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		89		
	Boron	ppm	ASTM D5185m		4		
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		0		
	Molybdenum	ppm	ASTM D5185m		54		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		952		
	Calcium	ppm	ASTM D5185m		1074		
	Phosphorus	ppm	ASTM D5185m	760	1050		
	Zinc	ppm	ASTM D5185m		1258		
	Sulfur	ppm	ASTM D5185m		3371		
	Oxidation	Abs/.1mm	*ASTM D7414		14.6		
	Base Number (BN)				8.4		
			10714 0 445				

Visc @ 100°C cSt

ASTM D445 14.6

13.1



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **CEDAR GROVE** Sample No. : PE0003938 Received 7343 E MARINGAL WAY S : 27 Jun 2024 Lab Number : 06222206 Tested : 01 Jul 2024 SEATTLE, WA Unique Number : 11100403 Diagnosed : 01 Jul 2024 - Jonathan Hester US 98108 Test Package : FLEET (Additional Tests: FT-IR, Glycol, ICP, KV100, SCREEN, TBN) Contact: CRAIG BOWEN Certificate L2367 craigb@cgcompost.com 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. T: (877)764-5748 F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: KAITLIN KROBATH Page 2 of 2