WEAR CONTAMINATION **FLUID CONDITION**

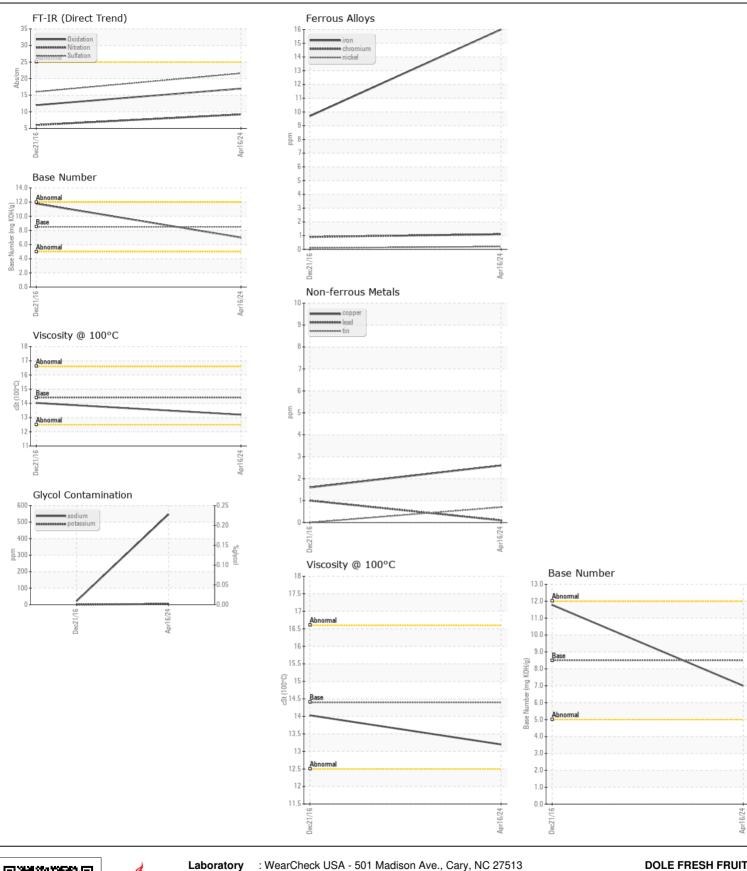
NORMAL NORMAL ABNORMAL

Machine Id

DFGS273209

Diesel Engine

DECOMMEND A TION	T	11014	NA-AL-	1.597A1	(a	118-4- 4	111-4
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Number		Client Info		WC0911093	WCMFB69133	
	Sample Date	In one	Client Info		16 Apr 2024	21 Dec 2016	
	Machine Age	hrs	Client Info		13312	5237	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	N/A	
	Filter Changed		Client Info		Changed	N/A	
	Sample Status				ABNORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>100	16	10	
	Chromium	ppm	ASTM D5185m		1	<1	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	<1	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m	>3	<1	0	
	Aluminum	ppm	ASTM D5185m		6	9	
	Lead	ppm	ASTM D5185m		<1	1	
	Copper	ppm	ASTM D5185m		3	2	
	Tin	ppm	ASTM D5185m		<1	0	
	Vanadium	ppm	ASTM D5185m		<1	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION Sodium and/or potassium levels are high.	Silicon	ppm	ASTM D5185m	>25	6	10	
	Potassium	ppm	ASTM D5185m	>20	5	0	
	Fuel		WC Method	>5	<1.0	<1.0	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol	%	*ASTM D2982		NEG	NEG	
	Soot %	%	*ASTM D7844	>3	0.1	0	
	Nitration	Abs/cm	*ASTM D7624	>20	9.2	6.	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.6	16.	
	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	>0.2	NEG	NEG	
ELUID CONDITION			AOTM DE LOS	450	40	0.4	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<u>▲</u> 548	21	
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		424	408	
oil.	Barium	ppm	ASTM D5185m		0	<1	
	Molybdenum	ppm	ASTM D5185m	100	89	87	
	Manganese	ppm	ASTM D5185m	450	<1	<1	
	Magnesium	ppm	ASTM D5185m		377	385	
	Calcium	ppm	ASTM D5185m		1435	1527	
	Phosphorus	ppm	ASTM D5185m		995	999	
	Zinc	ppm	ASTM D5185m		1283	1200	
	Sulfur	ppm	ASTM D5185m		3724	3099	
	Oxidation	Abs/.1mm	*ASTM D7414		17.0	12.	
	Base Number (BN)	mg KUH/g	ASTM D2896	8.5	7.0	11.78	







Certificate L2367

Laboratory Sample No.

: WC0911093 **Lab Number** : 06188490

Tested Unique Number : 11045242 Diagnosed Test Package : FLEET (Additional Tests: Glycol)

Received : 22 May 2024 : 28 May 2024

: 28 May 2024 - Jonathan Hester

DOLE FRESH FRUIT PO BOX 725, ATTN: MAINTENANCE AND REPAIR NEW CASTLE, DE

US 19720 Contact: LUIS LAPIERRE

F: (302)652-6061

luis.lapierre@dole.com T: (302)652-6344

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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)