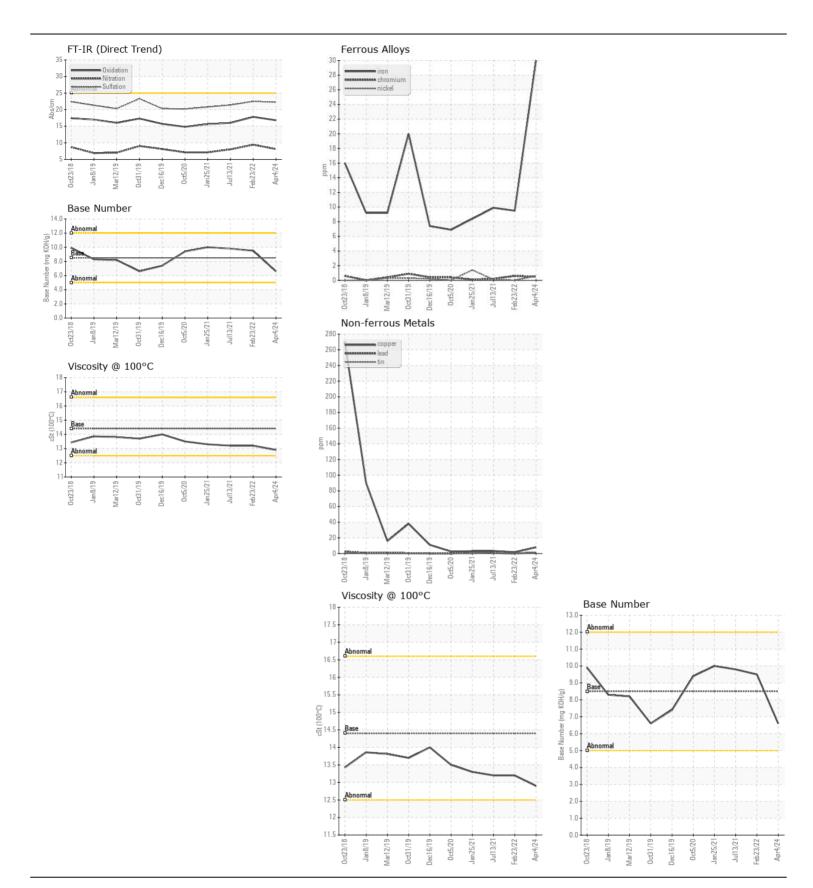
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Machine Id

VOLVO FSP 137978 (S/N 4V4WC9EG5KN196324) Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0903214	WC0666704	WC057429
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Date		Client Info		04 Apr 2024	23 Feb 2022	13 Jul 202
	Machine Age	mls	Client Info		368357	0	0
	Oil Age	mls	Client Info		0	0	0
	Filter Age	mls	Client Info		0	0	0
	Oil Changed		Client Info		N/A	Changed	Changed
	Filter Changed		Client Info		N/A	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMA
VEAR	Iron	ppm	ASTM D5185m	>100	30	10	10
	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>2	<1	0	<1
	Titanium	ppm	ASTM D5185m		<1	0	<1
	Silver	ppm	ASTM D5185m	>2	<1	0	0
	Aluminum	ppm	ASTM D5185m		4	9	0
	Lead	ppm	ASTM D5185m		1	0	<1
	Copper	ppm	ASTM D5185m	>330	8	2	3
	Tin	ppm	ASTM D5185m	>15	<1	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NON
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NON
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	7	4	3
JOINT AMILIA TON	Potassium	ppm	ASTM D5185m		5	2	2
There is no indication of any contamination in the oil.	Fuel	le le · · ·	WC Method	>6.0	<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.3	0.4	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	8.1	9.4	8
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.2	22.5	21.4
	Silt	scalar	*Visual	NONE	NONE	NONE	NON
	Debris	scalar	*Visual	NONE	NONE	NONE	NON
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NON
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORN
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m	>158	6	1	6
	Boron	ppm	ASTM D5185m		243	12	4
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m	10	0	0	0
	Molybdenum	ppm	ASTM D5185m		83	61	63
	Manganese	ppm	ASTM D5185m		1	<1	<1
	Magnesium	ppm	ASTM D5185m	450	476	980	1014
	Calcium	ppm	ASTM D5185m		1378	1160	1127
	Phosphorus	ppm	ASTM D5185m		1096	1059	1080
	Zinc	ppm	ASTM D5185m	1350	1239	1300	1214
	Sulfur	ppm	ASTM D5185m		3595	2846	2974
	Oxidation	Abs/.1mm	*ASTM D7414		16.8	17.8	16
	Base Number (BN)				6.6	9.5	9.8
	Visc @ 100°C	cSt	ASTM D445		12.9	13.2	13.2







Certificate L2367

Laboratory

Sample No. : WC0903214 Lab Number : 06155135 Unique Number: 10990558 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Apr 2024 **Tested** : 22 Apr 2024

: 22 Apr 2024 - Wes Davis Diagnosed

8801 EXCHANGE DRVIE ORLANDO, FL US 32809

Contact: CRAIG EVANS evans_craig@sbcglobal.net

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)

T: F:

FRESHPOINT