WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

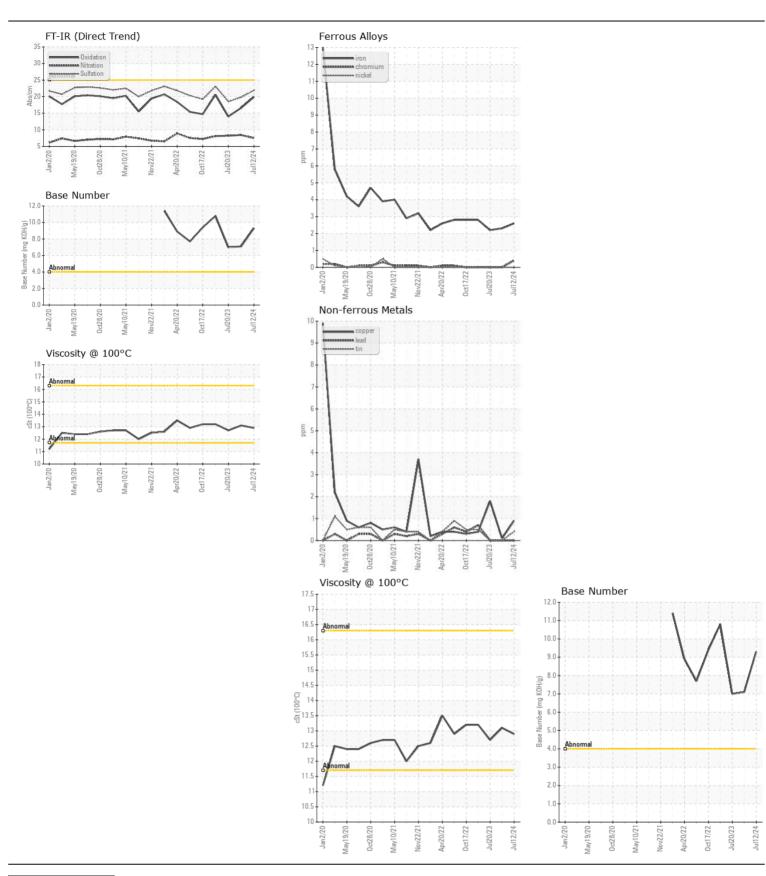
Area

Ascendum Machinery VOLVO L150H 6871



VOLVO VDS-4.5 Premium Motor Oil 15W40 (--- GAL)

VOLVO VDS-4.5 Premium Moto	1 011 15444	, ((3AL)		.,		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		ASC0008281	ASC0007336	ASC0000340
Resample at the next service interval to monitor.	Sample Date		Client Info		12 Jul 2024	17 Apr 2024	20 Jul 2023
	Machine Age	hrs	Client Info		10006	9485	8018
	Oil Age	hrs	Client Info		521	1467	1028
	Filter Age	hrs	Client Info		0	0	1028
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	nnm	ASTM D5185m	× 100	3	2	2
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		ა <1	0	0
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m	>10	<1	0	0
	Silver	ppm	ASTM D5185m	>2	<1	0	0
	Aluminum	ppm	ASTM D5185m		4	1	1
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		<1	<1	2
	Tin	ppm	ASTM D5185m		<1	0	0
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	3	3	3
There is no indication of any contemination in the oil	Potassium	ppm	ASTM D5185m	>20	2	2	0
There is no indication of any contamination in the oil.	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.1	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.1	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	7.5	8.4	8.2
	Sulfation	Abs/.1mm	*ASTM D7415		21.9	19.8	18.5
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE NORML	NONE	NONE	NONE NORML
	Appearance Odor	scalar scalar	*Visual *Visual	NORML	NORML NORML	NORML NORML	NORML
	Emulsified Water		*Visual	>0.1	NEG	NEG	NEG
		Scalai	Visuai	20.1	·····		INLO
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	2	<1
The DNI would be discussed the data was been been been been all all all all and a second all all all all all all all all all al	Boron	ppm	ASTM D5185m		41	65	33
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		0	<1	0
	Molybdenum	ppm	ASTM D5185m		42	58	76
	Manganese	ppm	ASTM D5185m		<1	0	0
	Magnesium	ppm	ASTM D5185m		454	226	378
	Calcium	ppm	ASTM D5185m		1707	1951	1911
	Phosphorus	ppm	ASTM D5185m		952	971	1079
	Zinc	ppm	ASTM D5185m		1128	1199	1322
	Sulfur	ppm	ASTM D5185m		2903	3967	4534
	Oxidation	Abs/.1mm	*ASTM D7414	>25	19.9	16.6	14.0
	Base Number (BN)				9.3	7.1	7.0
	Visc @ 100°C	cSt	ASTM D445	1	12.9	13.1	12.7







Certificate L2367

Laboratory Sample No.

Lab Number : 06239829

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : ASC0008281

Received **Tested** Unique Number : 11128663 Diagnosed

Test Package : CONST (Additional Tests: TBN)

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)

: 18 Jul 2024

: 18 Jul 2024

: 18 Jul 2024 - Wes Davis

PALLET ONE 1032 WILKINS RD

BUTNER, NC US 27509

Contact: Service Manager

T:

F: