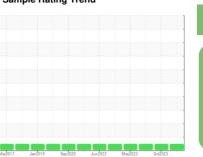
ASCENDUM

OIL ANALYSIS REPORT







NORMAL





[21404 READY MIX] VOLVO L90H 623326

Component **Diesel Engine**

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

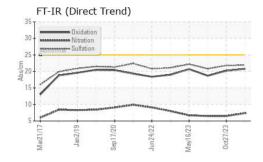
Fluid Condition

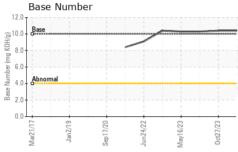
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

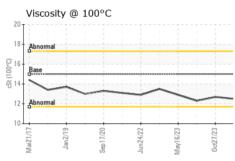
	` '					
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ASC0006427	VCE254224	VCP422292
Sample Date		Client Info		05 Apr 2024	27 Oct 2023	24 Jul 2023
Machine Age	hrs	Client Info		14372	13257	13120
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
-uel		WC Method	>6.0	<1.0	<1.0	<1.0
<i>N</i> ater		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	8	5	4
Chromium	ppm	ASTM D5185m	>10	1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	4	3	2
_ead	ppm	ASTM D5185m	>20	<1	0	0
Copper	ppm	ASTM D5185m	>15	1	<1	<1
Γin	ppm	ASTM D5185m	>10	1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2.5	57	42	48
Barium	ppm	ASTM D5185m	0.0	0	<1	0
Molybdenum	ppm	ASTM D5185m	0.7	43	43	43
Manganese	ppm	ASTM D5185m	0.0	<1	0	<1
Magnesium	ppm	ASTM D5185m	256	537	514	546
Calcium	ppm	ASTM D5185m	2057	1802	1603	1675
Phosphorus	ppm	ASTM D5185m	935	979	964	959
Zinc	ppm	ASTM D5185m	1223	1157	1165	1157
Sulfur	ppm	ASTM D5185m	4079	3189	3334	3487
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	15	11	12
Sodium	ppm	ASTM D5185m		1	4	2
Potassium	ppm	ASTM D5185m	>20	1	2	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	7.4	6.5	6.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.9	21.8	20.8
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
FLUID DEGRADA Oxidation	ATION Abs/.1mm	*ASTM D7414	limit/base >25	current 20.8	history1 20.2	18.7

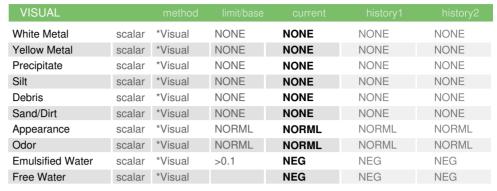
ASCENDUM

OIL ANALYSIS REPORT



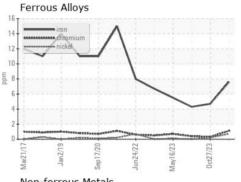


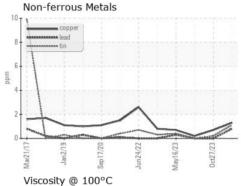


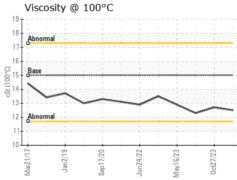


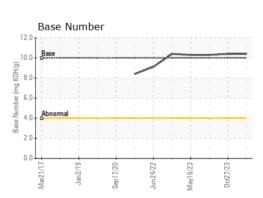
PLUID PROPERTIES		method			riistory i	filstoryz	
Visc @ 100°C	cSt	ASTM D445	15.0	12.5	12.7	12.3	

GRAPHS













Sample No.

: ASC0006427 Lab Number : 06144077

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 10 Apr 2024 : 11 Apr 2024 Diagnosed : 11 Apr 2024 - Wes Davis

520 - ASCENDUM MACHINERY INC - KNOXVILLE 5730 RUTLEDGE PIKE

KNOXVILLE, TN US 37924

Unique Number : 10968885 Test Package : CONST (Additional Tests: TBN) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: BRANDON GRANT brandon.grant@ascendummachinery.com

 st - 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: (865)525-1845 F: (865)525-0251 Contact/Location: BRANDON GRANT - VOLVO0124