WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

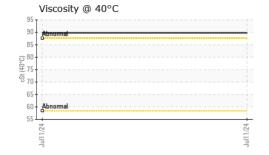
Area

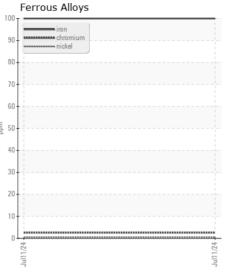
## Ascendum Machinery VOLVO A30G 753667

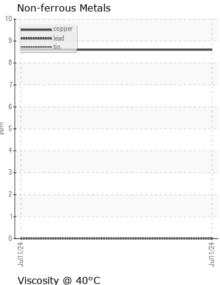
**Bogie/Center Right Final Drive** 

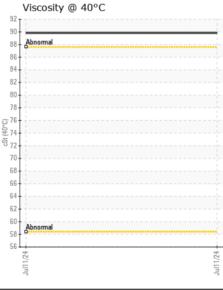
VOLVO SUPER GEAR OIL 75W-80-GO102 (--- GAL)

Resample at the next service interval to monitor.	VOLVO SUPER GEAR OIL 75W-80-GO102 ( GAL)								
Sample Date   Machine Age   Irrs   Client Info   517	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2	
Sample Date   Client Info   11 Juli 2024         Machine Age   hrs   Client Info   517         Oil Age   hrs   Client Info   517         Filter Age   hrs   Client Info   517         Filter Age   hrs   Client Info   0   0         Filter Changed   Client Info   None         Filter Changed   Client Info   None         Sample Status   NoRMAL         Sample Status   NoRMAL         The Changed   Client Info   None         Sample Status   NoRMAL         Sample Status   NoRMAL         The Changed   Client Info   None         Sample Status   NoRMAL         Sample Status   NoRMAL         The Changed   Client Info   None         Sample Status   NoRMAL         The Changed   Client Info   None         The Changed   Client Info   None   None   None   None   None         The Changed   Client Info   None		Sample Number		Client Info		ASC0008367			
Oil Age		Sample Date		Client Info		11 Jul 2024			
Filter Age		Machine Age	hrs	Client Info		517			
Oil Changed   Client Info   Not Changed   Client Info   Not Changed   Client Info   Sample Status   Not Changed   Client Info   Client Info		Oil Age	hrs	Client Info		517			
Filter Changed   Client Info   None   None		Filter Age	hrs	Client Info		0			
Nome		Oil Changed		Client Info		Not Changd			
Iron		Filter Changed		Client Info		None			
All component wear rates are normal.    Chromium   ppm   ASTM D5185m   >10   <1		Sample Status				NORMAL			
All component wear rates are normal.    Chromium   ppm   ASTM D5185m   >10   <1	WEAR	Iron	mag	ASTM D5185m	>900	100			
Nickel   ppm   ASTM D5185m   >10   <1         Titanium   ppm   ASTM D5185m   >0         Aluminum   ppm   ASTM D5185m   >50   0         Astm D5185m   >50   5         Astm D5185m   >50         Astm D	All component wear rates are normal.								
Titanium									
Silver									
Aluminum									
Lead		Aluminum			>30	0			
Tin		Lead	ppm	ASTM D5185m	>50	0			
Vanadium   ppm   ASTM D5185m   0		Copper	ppm	ASTM D5185m	>150	9			
White Metal   Scalar   Visual   NONE   NONE   Visual   NONE   NONE   Visual   NORML   Visual   Visual   NORML   Visual   Visu		Tin	ppm	ASTM D5185m	>20	0			
Yellow Metal   Scalar   Visual   NONE   NONE           CONTAMINATION   Silicon   ppm   ASTM D5185m   >50   5           There is no indication of any contamination in the oil.   Potassium   ppm   ASTM D5185m   >20   4           Water   WC Method   >0.2   NEG           Silt   Scalar   Visual   NONE   MODER           Debris   Scalar   Visual   NONE   NONE   NONE           Appearance   Scalar   Visual   NORML		Vanadium	ppm	ASTM D5185m		0			
Silicon   ppm   ASTM D5185m   >50   5		White Metal	scalar	*Visual	NONE	MODER			
Potassium   ppm   ASTM D5185m   >20   4		Yellow Metal	scalar	*Visual	NONE	NONE			
Potassium   ppm   ASTM D5185m   >20   4	CONTAMINATION	Silioon	nnm	ACTM DE185m	<u> 50</u>	5			
Water   WC Method   >0.2   NEG         Silt   scalar   *Visual   NONE   MODER         Debris   scalar   *Visual   NONE   NONE         Debris   scalar   *Visual   NONE   NONE         Appearance   scalar   *Visual   NORML   NORML   NORML         Appearance   scalar   *Visual   NORML   NORML   NORML         Codor   scalar   *Visual   NORML   NORML   NORML         Emulsified Water   scalar   *Visual   NORML   NORML         Emulsified Water   scalar   *Visual   >0.2   NEG         The condition of the oil is acceptable for the time in service.    Boron   ppm   ASTM D5185m   262         Molybdenum   ppm   ASTM D5185m   0         Manganese   ppm   ASTM D5185m   8         Manganesium   ppm   ASTM D5185m   0         Calcium   ppm   ASTM D5185m   0         Phosphorus   ppm   ASTM D5185m   1305         Zinc   ppm   ASTM D5185m   268         Sulfur   ppm   ASTM D5185m   268	There is no indication of any contamination in the oil.								
Silt   scalar   "Visual   NONE   MODER         Debris   scalar   "Visual   NONE   NONE         Sand/Dirt   scalar   "Visual   NONE   NONE         Appearance   scalar   "Visual   NORML   NORML   NORML         Appearance   scalar   "Visual   NORML   NORML   NORML         Codor   scalar   "Visual   NORML   NORML   NORML   NORML         Emulsified Water   scalar   "Visual   >0.2   NEG         The condition of the oil is acceptable for the time in service.    Boron   ppm   ASTM D5185m   262         Barium   ppm   ASTM D5185m   0         Molybdenum   ppm   ASTM D5185m   4         Manganese   ppm   ASTM D5185m   8         Magnesium   ppm   ASTM D5185m   0         Calcium   ppm   ASTM D5185m   673         Phosphorus   ppm   ASTM D5185m   1305         Zinc   ppm   ASTM D5185m   268         Sulfur   ppm   ASTM D5185m   268			ррш						
Debris   scalar   *Visual   NONE   NONE         Sand/Dirt   scalar   *Visual   NONE   NONE         Appearance   scalar   *Visual   NORML   NORML         Appearance   scalar   *Visual   NORML   NORML         Cdor   scalar   *Visual   NORML   NORML         Emulsified Water   scalar   *Visual   NORML   NORML         Emulsified Water   scalar   *Visual   NORML   NORML         NEG         Sodium   ppm   ASTM D5185m   3         Beron   ppm   ASTM D5185m   262         Molybdenum   ppm   ASTM D5185m   0         Manganese   ppm   ASTM D5185m   4         Manganese   ppm   ASTM D5185m   8         Calcium   ppm   ASTM D5185m   0         Calcium   ppm   ASTM D5185m   1305         Zinc   ppm   ASTM D5185m   268         Sulfur   ppm   ASTM D5185m   268			scalar						
Sand/Dirt   scalar *Visual   NONE   NONE       NONE   Appearance   scalar *Visual   NORML									
Appearance   Scalar   *Visual   NORML   NORM									
Odor   scalar   *Visual   NORML   NORML   NORML   Full   Scalar   *Visual   *Visual   Scalar   *Visual   *Visual									
Emulsified Water   scalar *Visual   >0.2   NEG									
Boron   ppm   ASTM D5185m   262         Barium   ppm   ASTM D5185m   0         Molybdenum   ppm   ASTM D5185m   4         Manganese   ppm   ASTM D5185m   8         Magnesium   ppm   ASTM D5185m   0         Calcium   ppm   ASTM D5185m   0         Calcium   ppm   ASTM D5185m   673         Phosphorus   ppm   ASTM D5185m   1305         Zinc   ppm   ASTM D5185m   268         Sulfur   ppm   ASTM D5185m   21238		Emulsified Water	scalar			NEG			
Boron   ppm   ASTM D5185m   262         Barium   ppm   ASTM D5185m   0         Molybdenum   ppm   ASTM D5185m   4         Manganese   ppm   ASTM D5185m   8         Magnesium   ppm   ASTM D5185m   0         Calcium   ppm   ASTM D5185m   0         Calcium   ppm   ASTM D5185m   673         Phosphorus   ppm   ASTM D5185m   1305         Zinc   ppm   ASTM D5185m   268         Sulfur   ppm   ASTM D5185m   21238	ELUID CONDITION	Cadium		ACTM DE10Em					
Barium   ppm   ASTM D5185m   Q         Molybdenum   ppm   ASTM D5185m   Q         Manganese   ppm   ASTM D5185m   B         Magnesium   ppm   ASTM D5185m   Q         Calcium   ppm   ASTM D5185m   G73         Phosphorus   ppm   ASTM D5185m   1305         Zinc   ppm   ASTM D5185m   268         Sulfur   ppm   ASTM D5185m   21238									
Molybdenum         ppm         ASTM D5185m         4             Manganese         ppm         ASTM D5185m         8             Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         673             Phosphorus         ppm         ASTM D5185m         1305             Zinc         ppm         ASTM D5185m         268             Sulfur         ppm         ASTM D5185m         21238	The condition of the oil is acceptable for the time in service.								
Manganese         ppm         ASTM D5185m         8             Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         673             Phosphorus         ppm         ASTM D5185m         1305             Zinc         ppm         ASTM D5185m         268             Sulfur         ppm         ASTM D5185m         21238									
Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         673             Phosphorus         ppm         ASTM D5185m         1305             Zinc         ppm         ASTM D5185m         268             Sulfur         ppm         ASTM D5185m         21238		•							
Calcium         ppm         ASTM D5185m         673             Phosphorus         ppm         ASTM D5185m         1305             Zinc         ppm         ASTM D5185m         268             Sulfur         ppm         ASTM D5185m         21238		-							
Phosphorus         ppm         ASTM D5185m         1305             Zinc         ppm         ASTM D5185m         268             Sulfur         ppm         ASTM D5185m         21238		-							
Zinc         ppm         ASTM D5185m         268             Sulfur         ppm         ASTM D5185m         21238									
Sulfur         ppm         ASTM D5185m         21238									
		Visc @ 40°C	cSt	ASTM D445		89.8			











Certificate L2367

Laboratory Sample No.

: ASC0008367 Lab Number : 06236610 Unique Number : 11125444 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Jul 2024 **Tested** 

: 16 Jul 2024 Diagnosed : 17 Jul 2024 - Sean Felton

US 28104 Contact: SERVICE MANAGER

WM WARR & SON

MATTHEWS, NC

3800 SMITH FARM RD

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: