WEAR CONTAMINATION FLUID CONDITION

NORMAL
ABNORMAL
NORMAL

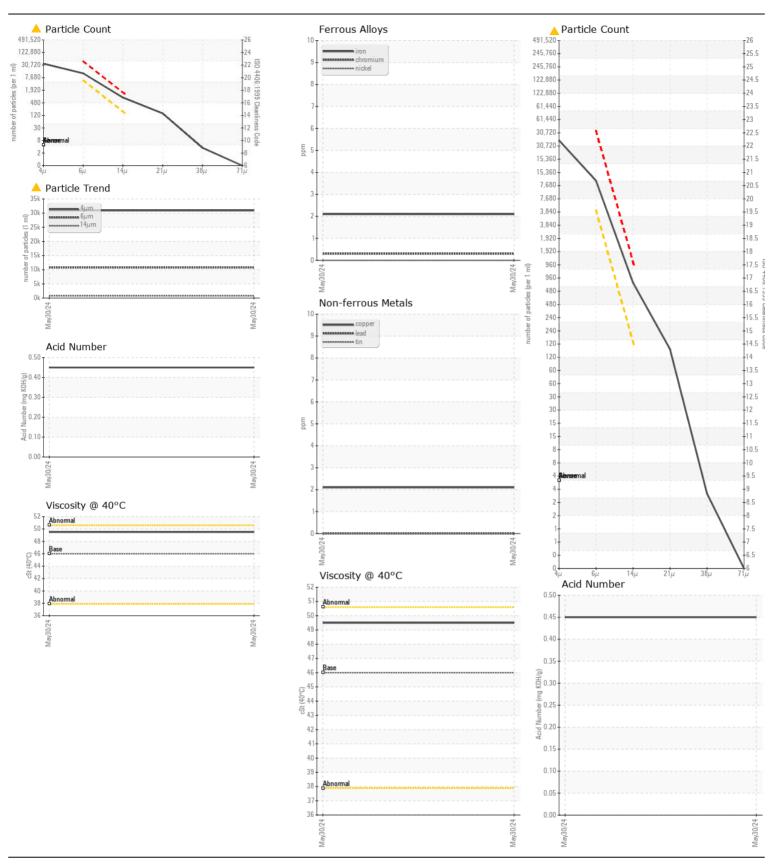


Machine Id **VOLVO A45G 352787**

Hydraulic System

VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Sample Date Client Info 5058 Sos 5058 Sos Sos	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
recommend an early resample to monitor this condition. Machine Age Inst Collent Info 0 0 0 0 0 0 0 0 0	The ail shows at the time of assertion has been noted Ma	Sample Number		Client Info		VCP441589		
Machine Age Miss Client Info 0		Sample Date		Client Info		30 May 2024		
Filter Age Oil Changed O	recommend an early resample to monitor this condition.	Machine Age	hrs	Client Info		5058		
Oil Changed Cilent Info Cilent Info Changed Cilent Info Changed Cilent Info Cilent		Oil Age	hrs	Client Info		0		
Filter Changed Sample Status Sample Status		Filter Age	hrs	Client Info		0		
Name		Oil Changed		Client Info		Changed		
Iron		Filter Changed		Client Info		Changed		
All component wear rates are normal. Chromium ppm ASTM D5185m >0 < 1		Sample Status				ABNORMAL		
All component wear rates are normal. Chromium ppm ASTM D5185m >0 < 1	WEAD	la a a		AOTM DEADE		•		
All component wear rates are normal. Nickel ppm ASTM D5185m 0	WEAR							
Titanium ppm ASTM 5185m 0	All component wear rates are normal							
Silver ppm ASTM 05185m > 20 5					>10	_		
Aluminum ppm ASTM D5185m >20 5								
Lead					00	_		
Copper						-		
Tin								
Vanadium ppm ASTM D5185m NONE NONE Valual None None None None None Valual None No								
White Metal Scalar Visual NONE N					>20			
Yellow Metal Scalar Visual NONE NO					NONE	_		
Silicon ppm ASTM D5185m >20 9						_		
Potassium ppm ASTM D5185m ≥20 0		reliow Metal	Scalar	visuai	NONE	NONE		
Potassium ppm ASTM D5185m ≥20 0	CONTAMINATION	Silicon	mag	ASTM D5185m	>20	9		
There is a moderate amount of particulates (2 to 100 microns in size) present in the oil.	CONTAININATION							
Particles > 4µm ASTM D7647 S000 A 10749 S100 S10	·	Water	1-1-			-		
Particles > 6µm ASTM D7647 >5000 A 10749								
Particles >14µm ASTM D7647 >160					>5000			
Particles >21 μm ASTM D7647 >40 ASTM D7647 >3 3								
Particles >38µm ASTM D7647 >10 3 Particles >71µm ASTM D7647 >3 0 0 Oil Cleanliness SIO 4406 (c) >-/1914 22/21/17 Silt Scalar *Visual NONE NONE NONE Debris Scalar *Visual NONE LIGHT Sand/Dirt Scalar *Visual NORE NO		•						
Particles > 71µm Oil Cleanliness ISO 4406 (c) >-/19/14 22/21/17								
Oil Cleanliness ISO 4406 (c) >-/19/14 △ 22/21/17		Particles >71µm		ASTM D7647	>3	0		
Silt scalar *Visual NONE LIGHT NONE Sand/Dirt scalar *Visual NONE LIGHT NONE Sand/Dirt scalar *Visual NONE				ISO 4406 (c)	>/19/14	<u> 22/21/17</u>		
Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NOR			scalar			NONE		
Appearance		Debris	scalar	*Visual	NONE	LIGHT		
Odor Scalar *Visual NORML NO		Sand/Dirt	scalar	*Visual	NONE	NONE		
Emulsified Water scalar *Visual >0.1 NEG		Appearance	scalar	*Visual	NORML	NORML		
Sodium ppm ASTM D5185m 14 0		Odor	scalar	*Visual	NORML	NORML		
Boron ppm ASTM D5185m 14 0		Emulsified Water	scalar	*Visual	>0.1	NEG		
Boron ppm ASTM D5185m 14 0	ELUID COMPITION							
Barium ppm ASTM D5185m 0.0 0	FLUID CONDITION							
Molybdenum ppm ASTM D5185m 0.0 0 Magnesium ppm ASTM D5185m 0.0 0 Magnesium ppm ASTM D5185m 0.0 0 Magnesium ppm ASTM D5185m 2.6 3 Magnesium ppm ASTM D5185m 2.6 3 Magnesium ppm ASTM D5185m 354 427 Magnesium ppm ASTM D5185m 354 427 Magnesium ppm ASTM D5185m ASTM	The AN level is acceptable for this fluid. The oil is still serviceable							
Manganese ppm ASTM D5185m 0.0 0 Magnesium ppm ASTM D5185m 2.6 3 Calcium ppm ASTM D5185m 49 443 Phosphorus ppm ASTM D5185m 354 427 Zinc ppm ASTM D5185m 3719 1723 Sulfur ppm ASTM D5185m 3719 1723 Acid Number (AN) mg KOH/g ASTM D8045 0.45								
Magnesium ppm ASTM D5185m 2.6 3 Calcium ppm ASTM D5185m 49 443 Phosphorus ppm ASTM D5185m 354 427 Zinc ppm ASTM D5185m 419 526 Sulfur ppm ASTM D5185m 3719 1723 Acid Number (AN) mg KOH/g ASTM D8045 0.45	(-)	•						
Calcium ppm ASTM D5185m 49 443 Phosphorus ppm ASTM D5185m 354 427 Zinc ppm ASTM D5185m 419 526 Sulfur ppm ASTM D5185m 3719 1723 Acid Number (AN) mg KOH/g ASTM D8045 0.45		-						
Phosphorus ppm ASTM D5185m 354 427 Zinc ppm ASTM D5185m 419 526 Sulfur ppm ASTM D5185m 3719 1723 Acid Number (AN) mg KOH/g ASTM D8045 0.45		•						
Zinc ppm ASTM D5185m 419 526 Sulfur ppm ASTM D5185m 3719 1723 Acid Number (AN) mg KOH/g ASTM D8045 0.45								
Sulfur ppm ASTM D5185m 3719 1723 Acid Number (AN) mg KOH/g ASTM D8045 0.45		·						
Acid Number (AN) mg KOH/g ASTM D8045 0.45								
					3/19			
VISC (@ 40°C CSL ASTINI D445 40 49.5					16			
		VISC @ 40°C	COL	A311VI D445	40	49.5		





Certificate L2367

Laboratory Sample No.

Lab Number : 06197565 Unique Number : 11059688

: VCP441589 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Jun 2024 Tested

: 04 Jun 2024 : 04 Jun 2024 - Wes Davis

ALTA EQUIPMENT COMPANY 5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL

US 33905 Contact: TODD LARK tlark@altaequipfl.com

F: (239)481-3302

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)

Diagnosed

T: