



[A12466] Machine Id VOLVO ECR235E 315472

Swing Drive

MOBIL MOBILUBE HD 80W90 (--- GAL)

REC	COMN	IEND	ATIC)N

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

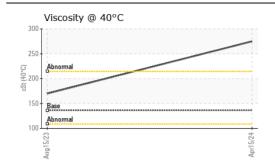
FLUID CONDITION

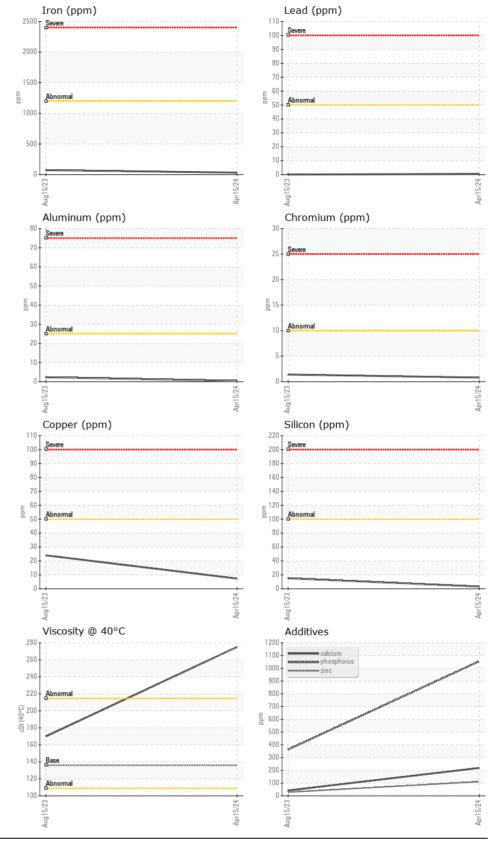
Confirm oil type. The condition of the oil is acceptable for the time in service.

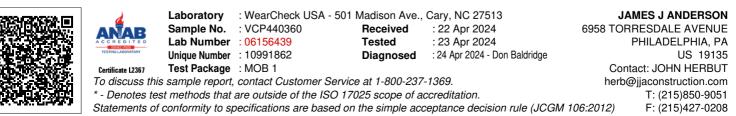
TestUOMMethodLimit/MCurrentHistory1History2Sample NumberCClient Info15 Apr202415 Aug2023Sample DateCClient Info15 Apr202415 Aug2023Machine AgehrsClient Info1005465Filter AgehrsClient InfoCChangedFilter AnagedIClient InfoKo ChangedNorRALFilter ChangedIClient InfoKo ChangedNorRALSample StatusVVNorRALNorRALTronpmASTM DS186>10010NickelpmASTM DS186>1000NickelpmASTM DS186>1000SilverpmASTM DS186>1000SilverpmASTM DS186>1000AuminumpmASTM DS186>1001SilverpmASTM DS186>1001YanadiumpmASTM DS186>1001YanadiumpmASTM DS186>100CYanadiumpmASTM DS186>100CYanadiumpmASTM DS186>100CYanadiumpmASTM DS186>100CYanadiumpmASTM DS186>100RYanadiumpm <th><u> </u></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	<u> </u>						
Sample DateClient InfoIs A protect15 Aprotect15 Aprotect16 Aprote	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine AgehrsClient InfoIO465Oil AgehrsClient InfoSOO465Filter AgehrsClient InfoChangedChangedOil ChangedClient InfoNot ChangedNot ChangedFilter ChangedClient InfoNot ChangedNot ChangedSample StatusClient InfoNot ChangedNot ChangedTronppmASTM D5185>100G111NickelppmASTM D5185>100G11NickelppmASTM D5185>100G10SilverppmASTM D5185>50<12AuminumppmASTM D5185>50<10CopperppmASTM D5185>100<1VanadiumppmASTM D5185>100<1<1VanadiumppmASTM D5185>100<1<1VanadiumppmASTM D5185>100<1<1VanadiumppmASTM D5185>100<1<1SiliconppmASTM D5185>100<1<1SiliconppmASTM D5185>100<1NONE<1SiliconppmASTM D5185>100NONENONE<1SiliconppmASTM D5185>100NONE<	Sample Number		Client Info		VCP440360	VCP413668	
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Filter Age Oil ChangedhrsClient InfoOOGlient InfoChangedClient InfoNot ChangedFilter ChangedClient InfoNot ChangedNot ChangedSample StatusNormanNormanNormanIronppmASTM D5185n>1200 31 72ChomiumppmASTM D5185n>1000NickelppmASTM D5185n>1000SilverppmASTM D5185n>1000AluminumppmASTM D5185n>50<12CopperppmASTM D5185n>50<10VanadiumppmASTM D5185n>100<1VanadiumppmASTM D5185n>100<1<1Valdedscalar'VisualNONENONENONEValdedscalar'VisualNONENONENONEValdescalar'VisualNONENONENONESiliconppmASTM D5185n>100315Valdescalar'VisualNONENONENONESiliconppmASTM D5185n>100315SiliconppmASTM D5185n>1002NONESiliconppmASTM D5185n>100 <td< th=""><th>Machine Age</th><th>hrs</th><th>Client Info</th><th></th><th>1005</th><th>465</th><th></th></td<>	Machine Age	hrs	Client Info		1005	465	
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AluminumppmASTM D5185m>25<1							
LeadppmASTM D5185m>500<1				0.5	-		
Copper ppm ASTM D5185m >50 7 24 Tin ppm ASTM D5185m >10 <1 <1 < Vanadium ppm ASTM D5185m >10 <1 <1 < White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Silicon ppm ASTM D5185m >100 3 15 Potassium ppm ASTM D5185m >20 2 0 Water wC Method >0.25 NEG NEG Silt scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NORM NORML NORML Appearance scalar *Visual NORML NORML NORML Godr scalar *Visual							
TinppmASTM D5185m>10<1							
VanadiumppmASTM D5185m<1					-		
White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>100315PotassiumppmASTM D5185m>2020WaterWC Method>0.25NEGNEGSilitscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMNORMLNORMLOdorscalar*VisualNORMNORMLNORMLSodiumppmASTM D5185m>0.25NEGNEGSodiumppmASTM D5185m<1<1BoronppmASTM D5185m<1<1ManganeseppmASTM D5185m<<1<1ManganeseppmASTM D5185m<<1<2MangensiumppmASTM D5185m<<1<2PhosphorusppmASTM D5185m<<10543633<SoliturppmASTM D5185m<111128SoliturppmASTM D5185m<1111<2				>10			
Yellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>100315PotassiumppmASTM D5185m>2020WaterWC Method>0.25NEGNEGSiltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLSodiumppmASTM D5185m<1<1BoronppmASTM D5185m<02MalganeseppmASTM D5185m<1<10MagnesiumppmASTM D5185m<6<1MagnesiumppmASTM D5185m<219422PhosphorusppmASTM D5185m<1054363SulfurppmASTM D5185m<111128							
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WaterWC Method>0.25NEGNEGSiltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMNORMLNORMLOdorscalar*VisualNORMNORMLNORMLEmulsified Waterscalar*Visual>0.25NEGNEGSodiumppmASTM D5185mBoronppmASTM D5185mIMolybdenumppmASTM D5185mI02MagnesiumppmASTM D5185mI6<1PhosphorusppmASTM D5185mI219422PhosphorusppmASTM D5185mI1054363SulfurppmASTM D5185mI11128	Silicon	ppm	ASTM D5185m	>100	3	15	
Siltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.25NEGNEGSodiumppmASTM D5185mBoronppmASTM D5185m0BariumppmASTM D5185mMalganeseppmASTM D5185mManganeseppmASTM D5185mPhosphorusppmASTM D5185mPhosphorusppmASTM D5185mPhosphorusppmASTM D5185mSulfurppmASTM D5185mNongesiumppmASTM D5185mSulfurppmASTM D5185mSulfurppmASTM D5185mSulfur <th>Potassium</th> <th>ppm</th> <th>ASTM D5185m</th> <th>>20</th> <th>2</th> <th>0</th> <th></th>	Potassium	ppm	ASTM D5185m	>20	2	0	
Debrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNORNORNORAppearancescalar*VisualNORMNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.25NEGNEGSodiumppmASTM D5185mBariumppmASTM D5185mMolybdenumppmASTM D5185mMagnesiumppmASTM D5185mPhosphorusppmASTM D5185mPhosphorusppmASTM D5185mPhosphorusppmASTM D5185mSulfurppmASTM D5185mMagnesiumppmASTM D5185m <td< th=""><th>Water</th><th></th><th>WC Method</th><th>>0.25</th><th>NEG</th><th>NEG</th><th></th></td<>	Water		WC Method	>0.25	NEG	NEG	
Sand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.25NEGNEGSodiumppmASTM D5185m<BoronppmASTM D5185mf<1<1BariumppmASTM D5185m62MolybdenumppmASTM D5185m<<10MagnesiumppmASTM D5185m<6<12PhosphorusppmASTM D5185m10543633ZincppmASTM D5185m111128SulfurppmASTM D5185m<1111284	Silt	scalar	*Visual	NONE	NONE	NONE	
Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLIOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLIEmulsified Waterscalar*Visual>0.25NEGNEGSodiumppmASTM D5185mI-1BoronppmASTM D5185mI-1BariumppmASTM D5185mI02MolybdenumppmASTM D5185mI-10IManganeseppmASTM D5185mI6<1IMagnesiumppmASTM D5185mI6<1IPhosphorusppmASTM D5185mI3633IIPincASTM D5185mI10543633IISulfurppmASTM D5185mI11128I	Debris	scalar	*Visual	NONE	NONE	NONE	
Odorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.25NEGNEGSodiumppmASTM D5185m<1<1BoronppmASTM D5185m<7<10BariumppmASTM D5185m02MolybdenumppmASTM D5185m<110ManganeseppmASTM D5185m<16<112MagnesiumppmASTM D5185m219422PhosphorusppmASTM D5185m1054363ZincppmASTM D5185m111128SulfurppmASTM D5185m11112454	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Emulsified Waterscalar*Visual>0.25NEGNEGSodiumppmASTM D5185m<1<1<BoronppmASTM D5185m7<1<BariumppmASTM D5185m02MolybdenumppmASTM D5185m<10<ManganeseppmASTM D5185m<12MagnesiumppmASTM D5185m<16<1CalciumppmASTM D5185m219422PhosphorusppmASTM D5185m1054363ZincppmASTM D5185m111128SulfurppmASTM D5185m115458	Appearance	scalar	*Visual	NORML	NORML	NORML	
Sodium ppm ASTM D5185m <1	Odor	scalar	*Visual	NORML	NORML	NORML	
Boron ppm ASTM D5185m 7 <1	Emulsified Water	scalar	*Visual	>0.25	NEG	NEG	
Boron ppm ASTM D5185m 7 <1	Sodium	ppm	ASTM D5185m		<1	<1	
Molybdenum ppm ASTM D5185m <1	Boron		ASTM D5185m		7	<1	
Manganese ppm ASTM D5185m <1	Barium	ppm	ASTM D5185m		0	2	
Magnesium ppm ASTM D5185m 6 <1	Molybdenum	ppm	ASTM D5185m		<1	0	
Calcium ppm ASTM D5185m 219 42 Phosphorus ppm ASTM D5185m 1054 363 Zinc ppm ASTM D5185m 111 28 Sulfur ppm ASTM D5185m 111 28	Manganese	ppm	ASTM D5185m		<1	2	
Phosphorus ppm ASTM D5185m 1054 363 Zinc ppm ASTM D5185m 111 28 Sulfur ppm ASTM D5185m 20134 15458	Magnesium	ppm	ASTM D5185m		6	<1	
Phosphorus ppm ASTM D5185m 1054 363 Zinc ppm ASTM D5185m 111 28 Sulfur ppm ASTM D5185m 20134 15458	Calcium	ppm	ASTM D5185m		219	42	
Sulfur ppm ASTM D5185m 20134 15458	Phosphorus	ppm	ASTM D5185m		1054	363	
Sulfur ppm ASTM D5185m 20134 15458	Zinc		ASTM D5185m		111	28	
	Sulfur	ppm	ASTM D5185m			15458	
	Visc @ 40°C		ASTM D445	136	275	170	

Report Id: JAAPHI [WUSCAR] 06156439 (Generated: 04/24/2024 16:28:05) Rev: 1

Contact/Location: JOHN HERBUT - JAAPHI







Contact/Location: JOHN HERBUT - JAAPHI Page 2 of 2