

# [SPM703240 BL DUKE] SENNEBOGEN 835ME 835.0.2810

### Hydraulic System

VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)

#### RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR	

All component wear rates are normal.

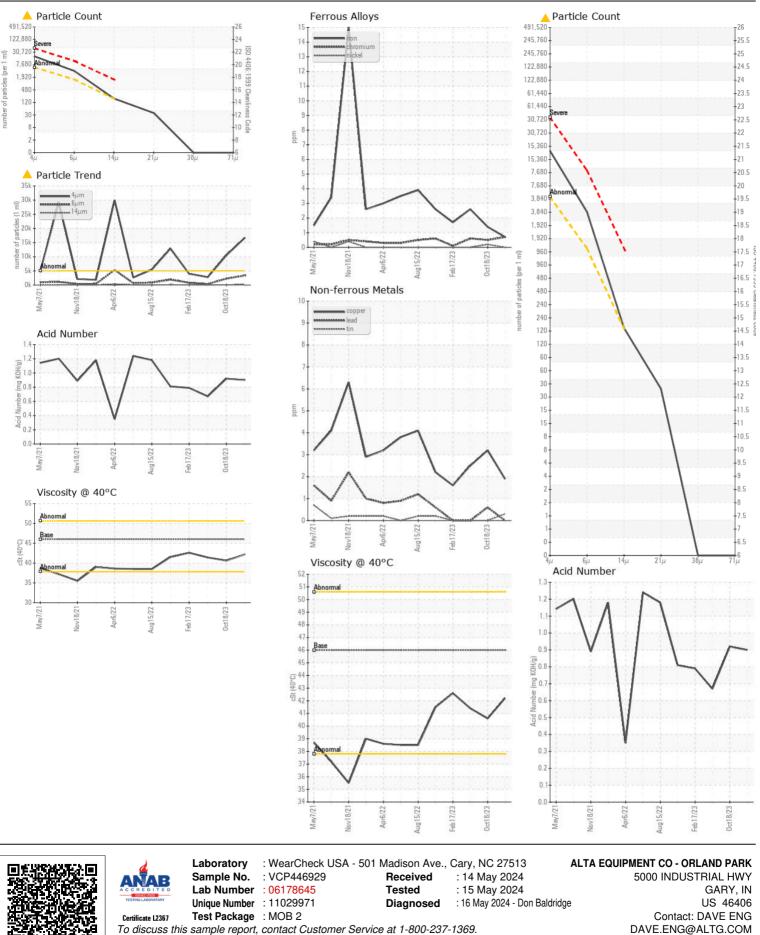
## CONTAMINATION

There is a high amount of particulates present in the oil.

#### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test     UOM     Method     LimitAbn     Current     History1     History1     History1       Sample Number     Client Info     0							
Sample DateClient InfoClient InfoRClient InfoRR		UOM		Limit/Abn		History1	History2
Machine Age     hrs     Client Info     7652     6955     5516       Oil Age     hrs     Client Info     0     0     0       Filter Age     hrs     Client Info     Changed     Not Changd     Not Changd       Sample Status     Client Info     Changed     Not Changd     Not Changd     Not Changd       Iron     ppm     ASTM D5185m     >20     <1     1     3       Nickel     ppm     ASTM D5185m     >10     0     <1     0       Silver     ppm     ASTM D5185m     >10     0     <1     0       Copper     ppm     ASTM D5185m     >10     0     <1     0       Visual     NONE     NONE     0     0     0     0       Vanadium     ppm     ASTM D5185m     >10     0     0     0       Vellow Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Vellow Metal     scalar     *Visual     NONE     NONE     NONE					VCP446929		VCP383254
Oil AgehrsClient Infoo00Filter AgehrsClient InfoChangedNot ChangedNot ChangedOil ChangedClient InfoNot ChangedNot ChangedNot ChangedSample StatusClient InfoNot ChangedNot ChangedNot ChangedIronppmASTM D5185m>200-113ChromiumppmASTM D5185m>100-1-10NickelppmASTM D5185m>100-10-1NickelppmASTM D5185m>100-10-1SilverppmASTM D5185m>100-10-1LeadppmASTM D5185m>100-10-1LeadppmASTM D5185m>100-100VanadiumppmASTM D5185m>100-100VanadiumppmASTM D5185m>200AC100VanadiumppmASTM D5185m>200AC100VanadiumppmASTM D5185m>200AC100VanadiumppmASTM D5185m>200AC100VanadiumppmASTM D5185m>200AC100VanadiumppmASTM D5185m>200AC100VanadiumppmASTM D5185m>200AC100VanadiumppmASTM D5185m>200AC10 <td< th=""><th></th><th></th><th></th><th></th><th>03 May 2024</th><th></th><th></th></td<>					03 May 2024		
Filter Age Oil ChangedhrsClient Info0000Oil ChangedClient InfoChanged Not Changed Not ChangedNot Changed Not Changed N	-	hrs	Client Info		7652	6955	5516
Oil Changed Filter Changed Sample StatusClient InfoChanged Client InfoChanged Changed ABNORMANot Changed Not Changed ABNORMANot Changed Not Changed ABNORMANot Changed Not Changed ABNORMANot Changed Not Changed ABNORMANot Changed Not Changed ABNORMANot Changed Not Changed Not Changed ABNORMANot Changed Not Changed Not Changed ABNORMANot Changed Not Chang	Oil Age	hrs	Client Info		0	0	0
Filter Changed Sample StatusClient InfoChanged ABNORMALNot Changed ABNORMALNormALLIronppmASTM D5185m>20<113ChromiumppmASTM D5185m>10<1<1<1NickelppmASTM D5185m>100<10TitaniumppmASTM D5185m0000AluminumppmASTM D5185m0000AluminumppmASTM D5185m>100<10CopperppmASTM D5185m>100<10VanadiumppmASTM D5185m>10000VanadumppmASTM D5185m>10000VanadumppmASTM D5185m>10000VanadumppmASTM D5185m>200<10VanadumppmASTM D5185m>200<10Vallow Metalscalar"VisualNONENONENONENONEYellow Metalscalar"VisualNONENONENONENONENONESiliconppmASTM D5185m>202222PotassiumppmASTM D7647>100A33495Particles >4µmASTM D7647>100111Particles >51µmASTM D7647>30000Sand/Dirtscalar"Visual	Filter Age	hrs	Client Info		0	0	0
Sample StatusABNORMAABNORMALNORMALIronppmASTM D5185>20<113ChromiumppmASTM D5185>10<1<1<1NickelppmASTM D5185>100<10TitaniumppmASTM D5185>100<10SilverppmASTM D5185>100<1<1LeadppmASTM D5185>100<1<1LeadppmASTM D5185>100<1<1LeadppmASTM D5185>100<1<1VanadiumppmASTM D5185>10000VanadiumppmASTM D5185>752322VanadiumppmASTM D5185>200<10VanadiumppmASTM D5185>20222PotassiumppmASTM D5185>20222PotassiumppmASTM D5185>20222Particles >4µmASTM D7647>100A16023342424351Particles >14µmASTM D7647>1003416221515Particles >14µmASTM D7647>300000Particles >14µmASTM D7647>300000Particles >14µmASTM D7647>300000Particles >	Oil Changed		Client Info		Changed	Not Changd	Not Changd
Iron     ppm     ASTM D5185m     >20     <1	Filter Changed		Client Info		Changed	Not Changd	Not Changd
Chromium     ppm     ASTM D5185m     >10     <1	Sample Status				ABNORMAL	ABNORMAL	NORMAL
Chromium     ppm     ASTM D5185m     >10     <1	Iron				4	4	0
NickelppmASTM D5185m>100<1	-						
Titanium     ppm     ASTM D5185m     <1							
SilverppmASTM D5185m000<1				>10	-		
Aluminum     ppm     ASTM D5185m     >10     0     <1							
Lead     ppm     ASTM D5185m     >10     0     <1				. 10	-	-	
Copper     ppm     ASTM D5185m     >75     2     3     2       Tin     ppm     ASTM D5185m     >10     <1     0     0       Vanadium     ppm     ASTM D5185m     >10     0     0     0       White Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Yellow Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Silicon     ppm     ASTM D5185m     >20     0     <1     0       Water     WC Method     >0.1     NEG     NEG     NEG       Particles >4µm     ASTM D7647     >100     A     13384     2247     351       Particles >5µm     ASTM D7647     >100     A     162     65     15       Particles >21µm     ASTM D7647     >10     0     1     1     19/16/11       Silt     Scalar     *Visual     NONE     NONE     NONE     NONE       Particles >21µm     ASTM D7647     >3     0					-		
Tin     ppm     ASTM D5185m     >10     <1					-		
Vanadium     ppm     ASTM D5185m     0     0     0       White Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Yellow Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Silicon     ppm     ASTM D5185m     >20     0     <1     0       Water     ppm     ASTM D5185m     >20     0     <10     0       Water     WC Method     >0.1     NEG     NEG     NEG       Particles >4µm     ASTM D7647     >100     A 3384     -2247     351       Particles >51µm     ASTM D7647     >100     A 162     65     15       Particles >21µm     ASTM D7647     >10     0     1     1       Particles >38µm     ASTM D7647     >30     0     0     0       Oli Cleanliness     Scalar     *Visual     NONE     NONE     NONE     NONE       Sand/Dirt     scalar     *Visual     NOR     NORE     NORE     NORE					_		
White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiliconppmASTM D5185m>200<10WaterWC Method>0.1NEGNEGNEGParticles >4µmASTM D7647>50004 167324 104502784Particles >6µmASTM D7647>13004 33842247351Particles >1µmASTM D7647>1604 16265515Particles >21µmASTM D7647>10011Particles >21µmASTM D7647>10011Particles >38µmASTM D7647>10011Particles >11µmASTM D7647>30000Oil CleanlinessISO 4406 (c)>1917144 21/19/154 21/18/1319/16/11Siltscalar*VisualNONENONENONENONEDebrisscalar*VisualNORMNORMNORMNORMAppearancescalar*VisualNORMNORMNORMLNORMLOdorscalar*VisualNORMNORMNORMNORMNORMGoronppmASTM D5185m0.0100MagnaeseppmASTM D5185m0.0100MagnaeseppmASTM D5185m0.00<10MagnaeseppmASTM D5185m0.9				>10		-	
Yellow Metalscalar*VisualNONENONENONENONENONESiliconppmASTM D5185m>20222PotassiumppmASTM D5185m>200<10WaterWC Method>0.1NEGNEGNEGParticles >4µmASTM D7647>5000▲ 16732▲ 104502784Particles >6µmASTM D7647>100▲ 3384● 2247351Particles >14µmASTM D7647>403395Particles >71µmASTM D7647>403395Particles >71µmASTM D7647>403395Particles >71µmASTM D7647>4033900Oil CleanlinessISO 4406 (c)591714▲ 21/19/15▲ 21/18/1319/16/11Siltscalar*VisualNONENONENONENONEDebrisscalar*VisualNORMNORMENONENORMEAppearancescalar*VisualNORMNORMLNORMLNORMLAppearancescalar*VisualNORMNORMLNORMLNORMLGotiscalar*VisualNORMNORMLNORMLNORMLModybdenumppmASTM D5185m0.0000MolybdenumppmASTM D5185m0.0010MolybdenumppmASTM D5185m0.0010Maganeseppm<				NONE	-	-	
Silicon     ppm     ASTM D5185m     >20     2     2     2       Potassium     ppm     ASTM D5185m     >20     0     <1					-		
Potassium     ppm     ASTM D5185m     >20     0     <1	Yellow Metal	scalar	^Visual	NONE	NONE	NONE	NONE
Potassium     ppm     ASTM D5185m     >20     0     <1	Silicon	ppm	ASTM D5185m	>20	2	2	2
WaterWC Method>0.1NEGNEGNEGParticles >4µmASTM D7647>5000A 16732A 104502784Particles >6µmASTM D7647>1300A 338422477351Particles >14µmASTM D7647>4003395Particles >38µmASTM D7647>4003395Particles >38µmASTM D7647>30000Oil CleanlinessASTM D7647>3000Oil CleanlinessScalarYisualNONENONENONENONESiltscalarYisualNONENONENONENONENONESand/DirtscalarYisualNONENONENONENONENONEAppearancescalarYisualNORMNORMNORMNORMNORMOdorscalarYisualNORNORMNORMNORMNORMDebrisscalarYisualNORMNORMNORMNORMNORMAppearancescalarYisualNORMNORMNORMNORMNORMDrodscalarYisualNORNORMNORMNORMNORMBariumppmASTMD51851412108BariumppmASTMD51850.00<10MaganeseppmASTMD51850.00<10MagnesiumppmASTMD51852.691908493P	Potassium		ASTM D5185m	>20	0	<1	0
Particles >6µm     ASTM D7647     >1300     ▲ 3384     ● 2247     351       Particles >14µm     ASTM D7647     >160     ▲ 162     65     15       Particles >21µm     ASTM D7647     >40     33     9     5       Particles >38µm     ASTM D7647     >10     0     1     1       Particles >71µm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >19/17/14     ▲ 21/19/15     ▲ 21/18/13     19/16/11       Silt     scalar     *Visual     NONE     NONE     NONE     NONE       Debris     scalar     *Visual     NONE     NONE     NONE     NONE       Sand/Dirt     scalar     *Visual     NORM     NORML     NORML     NORML       Odor     scalar     *Visual     NORM     NORML     NORML     NORML       Odor     scalar     *Visual     NORM     NORML     NORML     NORML       Geron     scalar     *Visual     NOR     NOR     S	Water		WC Method	>0.1	NEG	NEG	NEG
Particles >6µm     ASTM D7647     >1300     ▲ 3384     ● 2247     351       Particles >14µm     ASTM D7647     >160     ▲ 162     65     15       Particles >21µm     ASTM D7647     >40     33     9     5       Particles >38µm     ASTM D7647     >40     0     1     1       Particles >71µm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >19/17/14     ▲ 21/19/15     ▲ 21/18/13     19/16/11       Silt     scalar     *Visual     NONE     NONE     NONE     NONE       Debris     scalar     *Visual     NONE     NONE     NONE     NONE       Sand/Dirt     scalar     *Visual     NOR     NORM     NORML     NORML       Odor     scalar     *Visual     NORM     NORML     NORML     NORML       Odor     scalar     *Visual     NORM     NORML     NORML     NORML       Odor     scalar     *Visual     NORM     NORM     NO	Particles >4µm				<b>16732</b>	▲ 10450	
Particles >14µm     ASTM D7647     >160     ▲ 162     65     15       Particles >21µm     ASTM D7647     >40     33     9     5       Particles >38µm     ASTM D7647     >10     0     1     1       Particles >71µm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >19/17/14     21/19/15     21/18/13     19/16/11       Silt     scalar     *Visual     NONE     NONE     NONE     NONE       Debris     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Sand/Dirt     scalar     *Visual     NONE     NONE     NONE     NORML     NORML       Appearance     scalar     *Visual     NORM     NORML     NORML     NORML     NORML       Odor     scalar     *Visual     NORM     NORML     NORML     NORML     NORML       Geron     scalar     *Visual     >0.1     0     0     0       Barium     p			ASTM D7647	>1300	<b>3384</b>	2247	351
Particles >38µmImage: ASTM D7647>10011Particles >71µmASTM D7647>3000Oil CleanlinessISO 4406 (c)>19/17/1421/19/1521/18/1319/16/11Siltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNORMNORMNORMNORMAppearancescalar*VisualNORMNORMLNORMLNORMLOdorscalar*VisualNORMNORMLNORMLNORMLOdorscalar*VisualNORMNORMLNORMLNORMLOdorscalar*VisualNORMNORMLNORMLNORMLSodiumppmASTM D5185m1412108BariumppmASTM D5185m0.00<10MagnesiumppmASTM D5185m0.00<10MagnesiumppmASTM D5185m0.00<10PhosphorusppmASTM D5185m354775683636ZincppmASTM D5185m3719356435863276Acid Number (AN)mgK0HgASTM D5185m3719356435863276	Particles >14µm		ASTM D7647	>160	<b>162</b>	65	15
Particles >38µmIASTM D7647>10011Particles >71µmASTM D7647>3000Oil CleanlinessISO 4406 (c)>19/17/1421/19/1521/18/1319/16/11Siltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNORMNORMNORMNORMAppearancescalar*VisualNORMNORMLNORMLNORMLOdorscalar*VisualNORMNORMLNORMLNORMLOdorscalar*VisualNORMNORMLNORMLNORMLOdorscalar*VisualNORMNORMLNORMLNORMLSodiumppmASTM D5185m1412108BariumppmASTM D5185m0.00<10MaganeseppmASTM D5185m0.00<10MagnesiumppmASTM D5185m0.00<10PhosphorusppmASTM D5185m354775683636ZincppmASTM D5185m3719356435863276Acid Number (AN)mgK0HgASTM D5185m3719356435863276	Particles >21µm		ASTM D7647	>40	33	9	5
Particles >71µmASTM D7647>3000Oil CleanlinessISO 4406 (c)19/17/14▲ 21/19/15▲ 21/18/1319/16/11Siltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNORENONENONENONEAppearancescalar*VisualNORMNORMLNORMLNORMLOdorscalar*VisualNORMNORMLNORMLNORMLCodorscalar*VisualNORMNORMLNORMLNORMLSodiumppmASTM D5185mf1412108BariumppmASTM D5185m0.0100<1ManganeseppmASTM D5185m0.00<10<1ManganeseppmASTM D5185m2.6917997<1CalciumppmASTM D5185m354775683636<3PhosphorusppmASTM D5185m31938903214772<172SulfurppmASTM D5185m3719356435863276<172Acid Number (AN)mgK0HgASTM D5185m3719356435863276			ASTM D7647	>10	0	1	1
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Siltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENORMNORMNORMNORMAppearancescalar*VisualNORMNORMLNORMLNORMLNORMLCdorscalar*VisualNORMNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m.652BoronppmASTM D5185m1412108BariumppmASTM D5185m0.0100MolybdenumppmASTM D5185m0.000<1MagnesiumppmASTM D5185m2.6917997CalciumppmASTM D5185m3.47756833636PhosphorusppmASTM D5185m31438903216772SulfurppmASTM D5185m3719386433863276Acid Number (AN)mgK0MgASTM D5185m50.900.920.67	Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>A</b> 21/19/15	▲ 21/18/13	19/16/11
Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m652BoronppmASTM D5185m1412108BariumppmASTM D5185m0.0100MolybdenumppmASTM D5185m0.00<10MagnesiumppmASTM D5185m2.6917997CalciumppmASTM D5185m3547756833636PhosphorusppmASTM D5185m3148908211772SulfurppmASTM D5185m3719356435863276Acid Number (AN)mg KOHgASTM D5185m50.900.920.67	Silt	scalar	*Visual		NONE	NONE	NONE
Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m652BoronppmASTM D5185m1412108BariumppmASTM D5185m0.0100MolybdenumppmASTM D5185m0.000<1MagnesiumppmASTM D5185m2.6917997CalciumppmASTM D5185m3.6908493PhosphorusppmASTM D5185m3547756833636ZincppmASTM D5185m31938903216772SulfurppmASTM D5185m3719356435863276Acid Number (AN)mg KOHgASTM D50450.900.920.67	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Odorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m652BoronppmASTM D5185m1412108BariumppmASTM D5185m0.0100MolybdenumppmASTM D5185m0.000<1MagnesiumppmASTM D5185m0.00<10MagnesiumppmASTM D5185m2.6917997CalciumppmASTM D5185m3547756833636PhosphorusppmASTM D5185m31938908211772SulfurppmASTM D5185m3719356435863276Acid Number (AN)mg KOHgASTM D5045<0.900.920.67	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Odorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185mf52BoronppmASTM D5185m14121008BariumppmASTM D5185m0.0100MolybdenumppmASTM D5185m0.0100<1MagnesiumppmASTM D5185m0.00<10MagnesiumppmASTM D5185m2.6917997CalciumppmASTM D5185m3.6917997PhosphorusppmASTM D5185m3547756833636ZincppmASTM D5185m31938903214772SulfurppmASTM D5185m3719356435863276Acid Number (AN)mg KOHgASTM D5045···0.900.920.67	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m652BoronppmASTM D5185m1412108BariumppmASTM D5185m0.0100MolybdenumppmASTM D5185m0.010<1MagnesiumppmASTM D5185m0.00<10MagnesiumppmASTM D5185m2.6917997CalciumppmASTM D5185m3547756833636PhosphorusppmASTM D5185m319890821772SulfurppmASTM D5185m3719356435863276Acid Number (AN)mg KOHgASTM D80450.900.920.67		scalar	*Visual	NORML	NORML	NORML	NORML
Boron     ppm     ASTM D5185m     14     12     10     8       Barium     ppm     ASTM D5185m     0.0     1     0     0       Molybdenum     ppm     ASTM D5185m     0.0     1     0     <1       Manganese     ppm     ASTM D5185m     0.0     0     <1     0       Magnesium     ppm     ASTM D5185m     0.0     0     <1     0       Magnesium     ppm     ASTM D5185m     0.0     0     <1     0       Magnesium     ppm     ASTM D5185m     2.6     91     79     97       Calcium     ppm     ASTM D5185m     49     852     908     493       Phosphorus     ppm     ASTM D5185m     354     775     6833     6366       Zinc     ppm     ASTM D5185m     419     890     821     772       Sulfur     ppm     ASTM D5185m     3719     3564     3586     3276       Acid Number (AN)     mg KOHg     ASTM D8045	Emulsified Water	scalar		>0.1	NEG	NEG	NEG
Boron     ppm     ASTM D5185m     14     12     10     8       Barium     ppm     ASTM D5185m     0.0     1     0     0       Molybdenum     ppm     ASTM D5185m     0.0     1     0     <1       Manganese     ppm     ASTM D5185m     0.0     0     <1     0       Magnesium     ppm     ASTM D5185m     0.0     0     <1     0       Magnesium     ppm     ASTM D5185m     0.0     0     <1     0       Magnesium     ppm     ASTM D5185m     2.6     91     79     97       Calcium     ppm     ASTM D5185m     49     852     908     493       Phosphorus     ppm     ASTM D5185m     354     775     6833     6366       Zinc     ppm     ASTM D5185m     419     890     821     772       Sulfur     ppm     ASTM D5185m     3719     3564     3586     3276       Acid Number (AN)     mg KOHg     ASTM D8045	~ "					_	
Barium     ppm     ASTM D5185m     0.0     1     0     0       Molybdenum     ppm     ASTM D5185m     0.0     0     0     <1				1.4			
Molybdenum     ppm     ASTM D5185m     0.0     0     <1							
Manganese     ppm     ASTM D5185m     0.0     0     <1							
Magnesium     ppm     ASTM D5185m     2.6     91     79     97       Calcium     ppm     ASTM D5185m     49     852     908     493       Phosphorus     ppm     ASTM D5185m     354     775     683     636       Zinc     ppm     ASTM D5185m     419     890     821     772       Sulfur     ppm     ASTM D5185m     3719     3564     3586     3276       Acid Number (AN)     mg KOHg     ASTM D8045     0.90     0.92     0.67							
Calcium     ppm     ASTM D5185m     49     852     908     493       Phosphorus     ppm     ASTM D5185m     354     775     683     636       Zinc     ppm     ASTM D5185m     419     890     821     772       Sulfur     ppm     ASTM D5185m     3719     3564     3586     3276       Acid Number (AN)     mg KOHg     ASTM D8045     0.90     0.92     0.67	-						
Phosphorus     ppm     ASTM D5185m     354     775     683     636       Zinc     ppm     ASTM D5185m     419     890     821     772       Sulfur     ppm     ASTM D5185m     3719     3564     3586     3276       Acid Number (AN)     mg KOHg     ASTM D8045     0.90     0.92     0.67	0						
Zinc     ppm     ASTM D5185m     419     890     821     772       Sulfur     ppm     ASTM D5185m     3719     3564     3586     3276       Acid Number (AN)     mg KOHg     ASTM D8045     0.90     0.92     0.67							
Sulfur     ppm     ASTM D5185m     3719     3564     3586     3276       Acid Number (AN)     mg KOH/g     ASTM D8045     0.90     0.92     0.67							
Acid Number (AN)     mg KOH/g     ASTM D8045     0.90     0.92     0.67							
				3719			
Visc @ 40°C cSt ASTM D445 46 42.2 40.6 41.4							
	Visc @ 40°C	cSt	ASTM D445	46	42.2	40.6	41.4



\* - 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)

Contact/Location: DAVE ENG - VOLVO8885 Page 2 of 2

T: (312)350-2560

F: